

AND A MANUFACTURING AND TEXTILE PAPER, DEVOTED TO THE UPBUILDING OF SOUTHERN MANUFACTURES AND THE DEVELOPMENT OF THE MATERIAL RESOURCES OF THE SOUTH.

Vol. 7. No. 15 }

BALTIMORE, MAY 23, 1885

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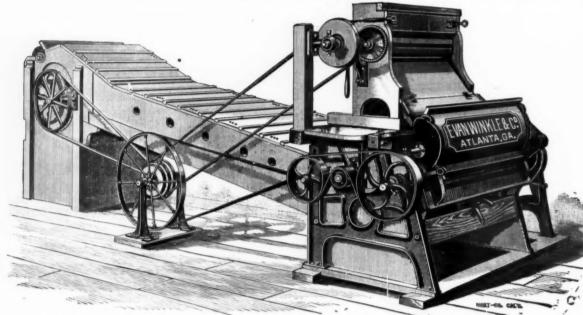
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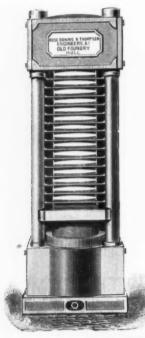


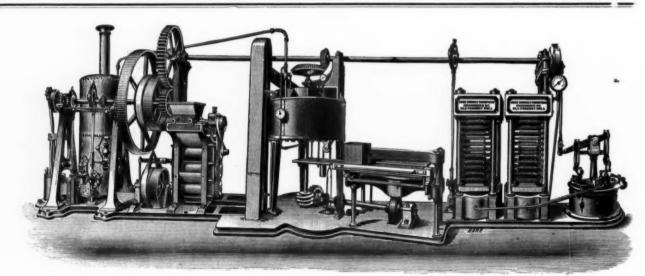
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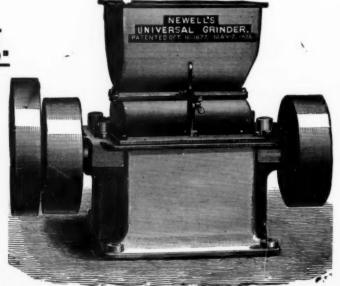
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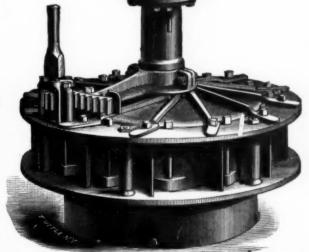
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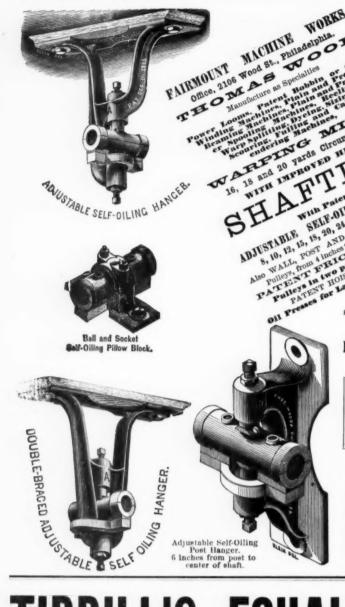
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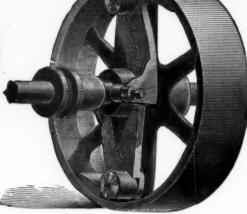
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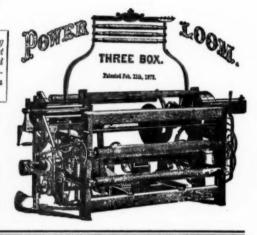
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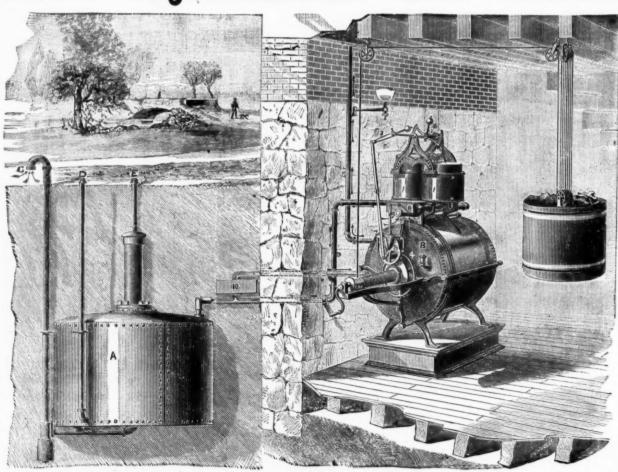
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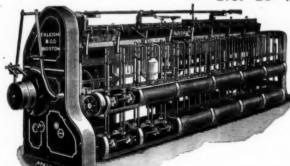
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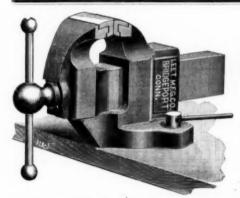
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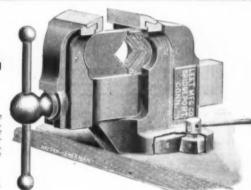
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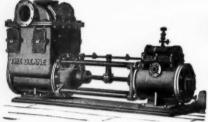
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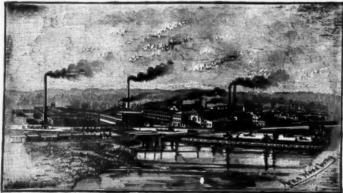
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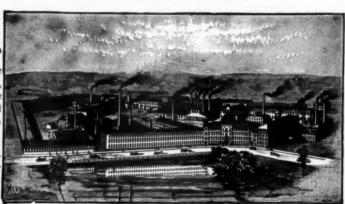
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BALTIMORE, MAY 23, 1885.

CORRESPONDENCE relating to the

CORRESPONDENCE relating to the manufacturing, mining, lumbering and all other material interests of the Southern States is solicited. Reaching so many capitalists in all parts of the United States seeking profitable investment in the South, the Manufacturers' Record offers an excellent chance for the people in that section to place the advantages of each locality before those likely to be interested. We will take great pleasure at all times in telling what has already been accomplished in the South, and showing up the opportunities of doing still more.

THE rolling mill of the Potts Bros. Iron Company, limited, Pottstown, Pa., which has been lying idle since last fall, started up in all its departments May 18 on single turn, giving employment to a large number of men. The firm has received sufficient orders to keep them going for some time. The iron industries, it is said, are picking up considerably in that section of the State. The rolling mills of the North Chicago Mill Company, situated at South Chicago, also resumed operations the same day with a force of 1,800 men.

RAILROAD freight rates to the North on Birmingham iron have been advanced 50 cents, and our Philadelphia correspondent thinks that this will reduce the sales of Alabama iron in that market. It is to be hoped that this will turn the attention of Southern iron makers to the importance of building up diversified industries to consume the pig iron where made, and not be dependent upon other sections for a market for their iron.

The Position of Cotton.

The cotton year is now so far advanced that Messrs. Latham, Alexander & Co., of New York, have issued a statement showing the statistical position of cotton, with a few comments as to the outlook for the future. The crop, they say, will not vary materially from 5,700,000 bales. This much being established, it is, they state, apparent that the supply will at no time be large, and that with any revival in trade it will be inadequate for the requirements of the world, unless spinners' takings should be checked by the usual result of light supply-an advance in price.

The position of cotton, both in price and supply, is exceptionally favorable now, as compared with former years:

ioiiiici y ciiibi		
1885.	1884.	1883.
Receipts at U. S. ports		
since 1st September 4,649,924	4,733,337	5,737,193
Total exports since 1st		
September3,601,402	3,499,989	4,262,718
Stock in U. S. ports 493,129	525,631	559,888
Stock in Liverpool 978,000	997,000	960,000
Afloat for Great Britain 134,000	167,000	289,000
Total visible supply in		
U. S., Europe & at sea.2,281,901	3,592,295	2,981,360
Price of middling up-		
lands in New York 10%	1136	11
Price of middling up-		
lands in Liverpool 5 15-16	634	5%
PRICES OF COTTON, BASIS MIDI	DLING, FOR	FUTURE

June	deliver	y.				0	۰		۰		۰		٠	0		10.8	X .	11.61	1	1.04
July	44	-				۰	۰	۰		۰	۰					10.8	6	11.75	1	0.95
June July August	01										۰					10.0	X	11.87	7 3	11
Septem	ber "				۰	0		۰	0		0		0			10.7	0	11.56	. 8	0.57
October													۰			10.3	8	11.05		0.26
Novem	ber "															10.2		10.87		0.16
Decemb	er "															10.2		10.86	5 3	0.18
January	es															10.3		10.96		0.24
The s	tock in	L	i	71	el	η	×	Э	0	ı	i	6	1	r	9	,000	bales	less	than	last

The stock in Liverpool is 19,000 bales less than last year, and only 18,000 bales more than in 1883.

The stock in the United States ports is 32,500 bales less than last year and 66,759 bales less than in 1883.

The total visible supply of cotton in the world is 310,394 bales less than last year and 649,959 bales less than in 1883.

Commenting on these facts Messrs. Latham, Alexander & Co. say:

Were general business in a normal or usual condition, cotton, with its position so strong, as shown above, would naturally be higher. But various causes have prevented it from feeling the influence of its own exceptional situation. Chief among these causes, and the one dating farthest back, has been the long felt and much harped upon dullness in trade. Hardly secondary to this in its effect upon prices has, for some months past, been the fear that England was about to become involved in war with Russia. Happily, this great war cloud that threatened Europe has blown over, and signs of improving trade are daily becoming more apparent. Only yesterday 20,000 packages of cotton goods-the greatest number ever offered at a single sale-were sold at public auction in New York at highly satisfactory prices.

With returning activity in manufactured goods; with peace seemingly assured, and with cotton standing again on its own merits, the outlook for planters and merchants is more cheerful than it has been for many months.

Latest accounts from the East India crop are to the effect that it is backward. In some districts the yield is turning out disappointingly small; in others it is only three-fourths of last year's, and in others again it is reported as being very short—the shortage likely to increase as the season advances.

At the opening of the planting season in our own country the ground was in unusually fine condition, owing to the hard frosts of the past winter. Planting was satisfactorily completed, without decided increase in the acreage devoted to cotton, and the growing crop, though late, has up to this time progressed favorably; but no prediction as to the ultimate out-turn of a cotton crop can be made at this early date.

In the column of Business Chances is an advertisment of textile machinery wanted.

A Southern Bid to Build War Vessels.

Mr. John W. Green, one of the directors of the Virginia Iron Shipbuilding Co., of Alexandria, whose letter describing the very extensive works of that company was published in our last issue, writes us that his company expect to bid for the construction of the large steamers which are shortly to be built for the navy. Secretary Whitney has advertised for the submission of new plans and proposals for two cruisers of not less than 3,000 nor more than 5,000 tons, costing, exclusive of armament, \$1,100,000 each; one heavily-armed gunboat of about 1,600 tons displacement, costing, exclusive of armament, not more than \$520,000; and one light gunboat of about 800 tons displacement, costing, exclusive of armament, not more than \$275,000. These vessels are to be of steel. Should the Virginia Iron Ship-building Co. receive the contract for one or more of these vessels, it would be a matter for general congratulation. Not only to Virginia and the South would it be of great importance, but to the country at large it would be of interest to know that within a few miles of the capital of the country there is a shipyard capable of building the highest class of modern war ships. With the exception of Mr. Green, who is a native of Alexandria, the stockholders in this company are prominent business men and capitalists of Massachusetts and Maine, some of whom at least are, from practical experience, thoroughly conversant with shipbuilding. Speaking of the present depression in ship-building, as in all other industries, Mr. Green says "we hope that a change will take place this year that will enable us to start up our works to their full capacity and make them do what we are capable of doing-work equal to the largest iron ship-building companies in the country.

There are quite a number of other points in the South besides Alexandria where the facilities for the establishment of ship-yards are exceptionally good. The raw material is near at hand and the cost is low; the climate is such that outdoor work in the yards could be readily carried on for a very large part of the year; and as the cost of living in the South is less than in the North, the price of labor is naturally less. At present there is little or no demand for new iron vessels, but when the shipping trade becomes more active the South ought to develop a large ship-building business.

PROBABLY the finest trade issue of a paper ever published in the South, excepting one or two that have appeared in some of the larger cities, is that of the Goldsboro (N. C.) Messenger of May 15. It is a splendid paper—a credit not only to Goldsboro, but to North Carolina—and its wide circulation will be sure to result in great benefit both to the city and the State. It is another evidence of the enterprise of the Southern press that will meet with warm commendation everywhere.

An Important Movement in Florida.

In our Construction Department we noted a few weeks ago the organization at Ocala, Fla., of the Homosassa Company, with a capital stock of \$200,000, to develop and improve a large tract of land on the gulf coast of Florida. Owing to the lack of transportation facilities that portion of Florida bordering on the gulf has developed much less rapidly than other parts of the State. As transportation facilities were lacking, of course, hotel accommodations were also very limited. The superior advantages of the gulf coast have, however, attracted increased attention and quite a number of railroad companies have been organized of late to build roads to different points on the gulf. This new company, above refered to, has purchased several thousand acres of land on the widely-known Homosassa river, embracing the celebrated Yulee plantation, which they intend to improve at once in such a way as to make it certain that it will soon become one of the most important winter resorts in the country, while its natural advantages of soil, climate, proximity to the gulf, abundance of fish and game, together with other attractions, will be sure to draw a large permanent population as soon as the place can be reached by railroad. As we stated a few weeks ago the company will at once commence to build a large hotel, intending to open it by the 1st of December next under the management of Mr. Campbell, the proprietor of the St. James Hotel, Jacksonville, who is one of the incorporators of the Homesassa Company. The directors of this company are not only men of large wealth, but are of the highest standing in the commercial and social world. They have gone into this work in a manner calculated to ensure success, their plans for the development and improvement of their property having been carefully and thoroughly prepared. It is quite probable that the whole gulf coast of Florida will be decidedly benefitted by the influences emanating from the development of the Homosassa property, and thus this comparatively unknown section will soon be receiving a large share of the attention of tourists, immigrants and investors, hitherto monopolized by the central part of the State. The great possibilities of Florida in the way of population and wealth are far beyond what has yet been comprehended, and the next five or ten years will show a wonderful advance in the progress of that State. Every enterprise like that of the Homosassa Company will help on the growth and prosperity of the Land of Flowers.

THE Clifton Cotton Mills at Spartanburg, N. C., according to the annual report of the treasurer, made during the past year, a net profit of \$30,000, or 6 per cent., which, considering the great depression in the cotton goods trade, is an excellent showing.

Notes * From * Dixie.

BY CHAS, H. WELLS

The completion of the Greenville & Laurens Railroad still hangs fire, the board of directors having again indefinitely postponed their meeting. As matters now stand the Greenville people want the Georgia Central Railroad Company to build and control the new line. The Laurens people don't quite know what they want. They say that if the Georgia Central people get the new road it will injure Laurens and benefit Greenville; that the Georgia Central people would then buy the Laurens and Newberry branch of the Columbia & Greenville road and make Laurens a non-competitive point. Taking this view of affairs the Laurens directors of the G. & L. road will do all they can to keep the new line out of the hands of the Georgia

The idea that the Columbia & Greenville Company would sell its line to Newberry and thus give the Georgia Central additional scope for operations in South Carolina, seems truly absurd. Newberry is a thriving town, growing and lively; it would be folly for the C. & G. road to invite competition to that point and to abandon its business in Laurens! The good people of Laurens are rather hasty in their opinion that any material difference in freights will result from the completion of the Greenwood, Laurens & Spartanburg Railroad. Only a few days ago one of the Augusta papers printed an interview with the general freight agent of the Columbia & Greenville road in which it was stated that an agreement had been entered into by the C. & G. and the G. L. & S. roads to maintain equal freight rates from Greenwood, Laurens and competitive points.

In the meantime, while all this foolishness is going on, the taxpayers of Greenville and Laurens counties are paying an interest on bonds issued to build the road. The directors meet occasionally at Greenwood, where they enjoy a good dinner, smoke their cigars, and then return home again, after having "resolved to postpone action until the next meeting." This is real nice—for the directors. It was Chesterfield, I think, who said: "Haste is indecent." Truly Chesterfieldian are these Greenville & Laurens directors; it needs the sharp stick of popular opinion to stir them up to some decisive action.

The difficulties that for some time have existed in the State of Georgia, growing out of several suits against the East Tennessee, Virginia & Georgia Railroad Company, have at last been amicably adjusted, and Major Henry Fink is again in possession of the road. It is the intention of Receiver Fink to spend a good deal of money on the road. getting it into first-class condition. A good deal of new steel rail will be laid and many improvements in the equipment are under headway. Major Fink, a few years ago, sucsfully brought the Norfolk & Western Railroad out of bankruptcy, and he is better qualified than any other man in the South to manage the affairs of a great corporation like the East Tennessee, Virginia & Georgia.

The Greenville News says: "The Richmond & Danville Railroad Company has taken another step forward in the line of improvements, and has introduced the block signal system along its entire line, from Richmond to Charlotte. This system is similar to that in use by the Pennsylvania road, except that it is not worked by electricity. The block containing the light is placed on top of the depots, where it can be seen for a considerable distance by engineers coming either way. The signal is worked by the telegraph operator from his office, who makes it display a white, red or green

light, as occasion requires, the white light being the clear track signal. This is the best and safest signal system known to railroads, its chief merit being that it is sure and certain. The Richmond & Danville track is now being stone ballasted, and with swift passenger engines, steel rails and block signals, it possesses absolutely every appliance for safety and comfort that is known to modern railroads."

The Hickory, N. C., Press says in its "State News" department: "About thirty-two tobacco factories will resume work in a short time at Winston, working about 3,000 laborers. The most picturesquely named place in North Carolina, or perhaps in any State, is "Maiden's Bosom," Swain county. The mica mine near Webster, Jackson county, is yielding \$150 worth of mica per week, which is sold every Saturday."

I see it reported in the Southern papers that George S. Scott, formerly president of the Richmond & Danville Railroad, is about to return from Europe, whither he went after resigning the presidency of the Richaond & Danville. No one seems to know what his sudden return means. Mr. Scott is one of the leading spirits of the Richmond & Danville. To him is due its present organization, and of him it has been said that he carried the system in his vest pocket. He is certainly a remarkable man, and his investments in this system were the result, so he said, of his belief in the growing prosperity of the South. The capital stock of the Richmond & Danville road is only \$5,000,000. Its charter will not allow it to own stock in any road not connecting directly with it, so the Richmond & West Point Terminal Company was organized with a capital of \$15,000,000, of which a majority is ned by the Richmond & Danville proper. The Terminal Company owns, leases or controls a long series of roads reaching into Georgia, the most important of which are the Virginia Midland, the Western North Carolina, the Charlotte, Columbia & Augusta, the Columbia & Greenville, the Georgia Pacific, and the Atlanta & Charlotte Air

It will be seen at a glance that the \$5,000, 000 capital stock of the Richmond & Danville railroad controls absolutely over 2,500 miles of road. Of what other system can this be said? Even if the stock sold at par an investment of \$2,600,000 would make a man master of 2,500 miles of road, traversing an old and populous section of the country. But the stock does not sell anywhere near par. There has not been a sale of it recorded in the stock exchange for two or three weeks. The highest price this year was 54 on March 6. Last year the highest price was 61 and the lowest 32. The system, though a Southern one, is really controlled by Northern capitalists. In the board of directors, beside Mr. Scott, are Ceorge I. Seney, W. P. Clyde and John H. Inman.

It was my good fortune last week to visit the Cooper Limestone Springs College near Gaffney City, S. C. This institution was founded in 1846, under the name of "Limestone Springs Female High School," by Rev. Dr. Thos. Curtis of England. As early as the year 1835, attracted by the famous Limestone Spring and charming scenery surrounding it, a number of gentlemen form ed themselves into a joint stock company with the purpose of making Limestone one of the grandest watering places in the South. The grounds were laid off and put in order, and the present main building was erected of the very best materials that could be obtained, at a cost of between sixty and seventy-five thousand dollars. When finished, it was capable of accommodating from two hundred and fifty to three hundred boarders, and in point of size and magnificence it

stood without a rival in South Carolina. Limestone was then in the back-woods of South Carolina, over a hundred miles from any railroad or steamboat line of travel, and the whole Piedmont region in which it is situated was then but little known to the health and pleasure seekers of the world. As a consequence the patronage received as a watering place was not commensurate with the expectations of the company, and in a few years the entire property was sold to the State, and in 1846, as already stated, Dr. Curtis and son purchased it.

Dr. Curtis was drowned in 1859, and after the termination of the war the property changed hands several times, until finally it came into the possession of that great phi lanthropist, Hon. Peter Cooper, of New York, who, five years ago, donated it to the Spartanburg Baptist Association for school purposes. The present principals were elected by the trustees appointed by that body and opened the school on the 3d of October, 1881. The name of the school was changed in honor of its princely benefactor, and it is now in its fourth annual session. The patronage bestowed upon it the second year of its existence was nearly double what it received the first year, and the attendance is increasing every year. Prof. Griffith, the principal, is also proprietor of a flourishing newspaper in Gaffney city.

* * DRIFTWOOD.

A factory to make fruit evaporators is about to be started in Greenville, S. C., by local capitalists.—The Camperdown Cotton Mills, located on Reedy river near Greenville, are to be sold under mortgage.—The stock of the Georgia Railroad sells readily in Augusta at fifty per cent. premium.—North Carolina Railroad stock, paying a dividend of six per cent. a year, sells at par in Raleigh —A party of Chicago capitalists are spending a week among the marble quarries at Tate, Georgia.—Dallas, N. C., has a new paper, The Current.

The Exposition.

[Special correspondence Baltimore Manufacturers' Record.]

NEW ORLEANS, LA., May 15, 1885. Hon. Henry Watterson, in his eloquent address before the National Cotton Planters' Convention, which met in the Music Hall of the Main Exposition Building last February said that the South had resources unequalled upon the face of the globe, and predicted that the time was not far distant "when the seat of the wealth of the world will be transferred to this Valley of the Mississippi. "The money center," he said, "is already de-parting from Lombard street in London to Wall street in New York. The sceptre of the mines is coming from Pittsburg in Pennsylvania to Birmingham in Alabama, and when the inevitable transfer is made, New Orleans, not New York, will hold commercial sovereignty over the land and the sea, for as every drop of water that falls from Heaven between the Alleghanies and the Rocky Mountains, flowing westward and southward, finds its way to the father of waters, and thence to the Gulf of Mexico, so surely will the golden streams of commerce, swollen by the products of the West and the South, roll hither as the star of em-

pire crosses and recrosses the continent."

If these observations sound extravagant to any one unacquainted with the resources of the South, such impressions would soon be removed by a visit to the Exposition and an examination of the exhibits from the States of this section. A short description of some of these exhibits will sustain Mr. Watterson's assertion that "the South has resources unequalled upon the face of the globe."

TENNESSEE

is justly regarded as one of the richest States in this section. Owing to its great

diversity of soil and climate every crop grown in any part of the Union is produced within its borders. The exhibit contains cereals of every kind and unexcelled in quality. The corn and wheat is exceptionally fine, and demonstrates the perfect adaptability of the soil to the production of these important food crops. Cotton, tobacco, oats, rye, barley, broom corn and other agricultural productions are shown in great abundance, and the numerous variety of grasses native to the State, show the capacity for sustaining large numbers of live stock on its pastures alone. The fruits and wines are exhibited in profusion. The specimens of woods are very large and handsome, showing the value of the timber resources of the State. The mineral exhibit is one of the most attractive and extensive at the Exposition, including all of the minerals found in any of the State exhibits. The iron mining interests are fully represented. The most beautiful display of marbles here is found in this department. It embraces one hundred and eighty fine specimens of the variegated variety. It is said that the sienna and variegated marbles of Italy have been supplanted by the more brilliant stones from Tennessee.

Good judgment has been displayed in the management of the exhibit, and it has been managed to the best advantage. Mr. Louis McWhirter, the efficient acting commissioner, informs me that the States will derive immense benefit from the work she has done here. Inquiries regarding the price of agricultural and mineral lands are being received daily at the State department of agriculture, and he thinks fully 1,500 emigrants (as 1 mentioned in my last letter,) have gone into Tennessee, as the direct result of this exhibit.

MISSISSIPPI,

being the largest cotton producing State in the South, naturally devotes much of her space to a display of the fleecy staple. Her crop of cotton in 1880 was 963,111 bales, leading Texas by 157,827 bales; Louisiana by 454,542 bales; Georgia by 148,670 bales; Alabama by 263,457 bales; Arkansas by 354,-855 bales; South Carolina by 440,563 bales. and she produced 147,992 bales more than the aggregate production of North Carolina, Tennessee, Florida, Missouri and Virginia. To show her claim to superiority in this direction, the State has erected a splendid cotton pavillion which is visible from all parts of the Government Building. In addition to this beautiful exhibit, she shows the staple in all its stages from the stalks, loaded with fruit to the manufactured product, including the seed, lint, cotton-seed oil and meal. But it is not alone by this single crop that Mississippi is represented. The cereals and grass-es are also abundant. One screen contains fifty-eight varieties of grasses from one plantation, while immense piles of bales of hay serve to show the value of grasses when cured. Sugar, syrup, and the splendid ribbon cane. occupy prominent positions. The forestry resources of the State are really wonderful. A large block cut from a giant cypress has a railing around it, forming a large platform. upon which is placed a number of chairs, and it is used by visitors for a resting place, being sufficiently large to comfortably seat thirty or forty persons. It approaches very nearly the dimensions of the famous California tree, exhibited in sections at the Philadelphia Centennial. There are also a great number of other varieties of native woods of commercial importance. Wool, wine, silk and tea add much to the interest of the ex-There are over 100 samples of wine from forty different vineyards, while the fine ocoons and handsome specimens of silk shows this to be a gaining industry and one that promises good results.

ALABAMA.

The mineral wealth of Alabama has already been fully treated in this correspondence in the descriptions furnished of the various railroad exhibits, in which this State is in-

terested, but the timbers deserve notice. There are no less than ninety-nine varieties of the most useful woods on exhibition. Among these may be mentioned the yellow pine, holly, red maple, sugar maple, wild cherry, gum, dogwood, tupelo gum, (one of the largest trees, abundant in the immediate swamps in the lower part of the State,) black gum, water ash, green ash and white ash, red bay, white elm, (21 inches in diameter,) mulberry, white walnut, black walnut, white, or scaly bark, hickory, white oak, post oak, live oak, chestnut oak, water oak, red oak, chestnut, iron-wood, beech, birch, black walnut, cypress, red cedar, long-leaf pine and loblolly pine. The agriculture exhibit of this State includes cotton and all the cereals.

The Georgia, North Carolina, South Carolina and Florida exhibits have been described in previous letters. The brief description here given of Tennessee, Mississippi and Alabama, are merely outlines of these exhibits, but will convey some idea of their variety and magnitude.

Now that there are strong probabilities that the Exposition will continue next winter, it will perhaps be interesting to the readers of the MANUFACTURERS' RECORD to know the extent of space occupied by the various foreign countries, the States, and the individual exhibitors.

The Government and States Building is 885 by 565 feet. It contains on the floor the government exhibit and the exhibits of every State and territory in the Union, except Utah. The government occupies 109,325 square feet ; Texas 18,145 ; California 14,450; Kentucky 13,100; Mississippi and Tennessee 11,812 each; North Carolina 11,675; South Carolina, Virginia, Iowa, Minnesota, Nebraska, Kansas and Dakota 10,175 each; Louisiana 9,805; Arkansas 9,800; Florida 8,325; Maryland 8,269; Alabama 7,800; New Jersey 7,400; New York 7,200; Massachusetts 7,031; New Mexico 6.000: Indiana 6.800; Illinois, Wisconsin, Ohio and Michigan 6,750 each; Colorado 6,600; Connecticut 6,468; Missouri 6,000; Pennsylvania 5,400; Maine 4,417; Montana 4.275; New Hampshire 4.305, and the other States and territories running from 3,957 to 2,160 feet. The Queen & Crescent Railroad exhibit occupies 10,125 feet; the Richmond & Danville 12,045, and the Chicago, Milwaukee & St. Paul Railroad In the galley the colored department has 22,600 feet; the educational department 58,000; and the department of women's work 35,400 feet.

The foreign exhibits are in the Main Building, and together they occupy about 180,000 feet. The machinery exhibits have 455,400 square feet; the general exhibits 413,400 feet, and the other exhibits over 450,000 square feet.

The committee appointed to solicit subscriptions to defray the expenses of continuing the Exposition here met with great encouragement, and it is to be hoped that their efforts will meet with complete success.

Director-General Burke tendered his resignation to-day, and it has been accepted by the Board of Management. The United States Commissioners met this morning and passed resolutions complimentary to Major Burke, and requesting him to remain at the head of affairs. It was decided to send a copy of the resolutions to President Cleveland. Major Burke is justly popular with all the exhibitors in all the departments, and his resignation is greatly regretted.

L. A. R.

THE Augusta, Ga., Chronicle, speaking of the representative of South Carolina at the New Orleans Exposition, says:

"Georgia and South Carolina owe a deep debt of gratitude to Luther A. Ransom. He is the kind of young man the South should be proud of and delight to honon"

North Carolina Pines.

BY T. K. BRUNER.

[Written for the MANUFACTURERS' RECORD.]

In your issue of May 9th you reprint a paragrap from the Chatham (N. C.) Record, which states that "the only forest of white pines in North Carolina, east of the Blue Ridge mountains, is in Chatham county," &c. This paragraph has been called to my attention several times, and it seems, from carelessness in reading, or from a general ignorance

paragraph has been called to my attention several times, and it seems, from carelessness in reading, or from a general ignorance of the species of the pine, the article has been misunderstood and perverted into meaning that pine was exceedingly scarce in the State.

Of course, the Record only meant to remark on the existence of a forest of white pine, pinus strobus,) on the banks of the Rocky river, in Chatham county. It is an interesting fact to know that this species, which belongs to the colder climates of the North, is to be found in that locality. Newfoundland, the north shores of the Gulf of St. Lawrence, and southward through the Northern States to Pennsylvania, and with the Alleghany mountains as far South as North Georgia, the tree is to be found, but it only attains its perfection in the regions of the North. is a tree of the first economic value and is used in the manufacture of lumber, shingles, &c., and is the most common and valuable building material of the Northern States. But in North Carolina, and, in fact, in the few localities south of the great forests of the North, it is so inaccessible-from the fact that it grows on the mountain sides -as to be practically of no value.

It must not, therefore, be confounded with the trees that make up the wealth of our forests—yellow pine, (pinus mitis,) old field pine, (pinus taada.) or long-leaf pine, (pinus australis). This last is of great economic value, and has been the source for the filling of many coffers in the State. It is also responsible for the descriptive sobriquet, "tar, pitch and turpentine" State, which has been handed down to us from the pleonastic geographers of the earlier days.

These pines are largely manufactured into lumber, and are used in construction of all sorts—for ship building, fencing, ties for railways, et catera. The exudation of this species, (pinus australis,) is used almost exclusively in the production of tar, pitch, rosin and spirits of turpentine, manufactured in the State.

It may not prove entirely devoid of interest to insert some statistical facts which will tend to an easy comparison of the product of the various Southern States. The production of naval stores, for the last census year, as given by the latest report, is as follows:

States.	Turpentine. Gallons,	Rosin. Barrels.
Alabama	2,005,000	158,482
Florida	1,036,350	68,281
Georgia	3,151,500	277,500
Louisiana		20,000
Mississippi	250,000	20,000
North Carolina		663,967
South Carolina	4,593,200	333,940
Total		

Besides this eighty thousand barrels of tar were manufactured in North Carolina during the same period, while in all the other Southern States only ten thousand barrels were produced.

While a larger proportion of the pine forests of North Carolina have been destroyed than in any other State, it may be accounted for in the excessive production, as shown above; and then it must be remembered that this State has been for a long time the seat of important lumbering operations. But probably the most destructive element ur pine forests is in the manufacture of naval stores, which is carried on in the most thoughtless and wastful manner, by careless, cheap labor. "Boxing" the trees damages them very materially, rendering them easily broken down by winds, and greatly reduces their value if felled for the saw mill. The profits derived from the manufacture of naval stores is in no sense commensurate with the enormous injury inflicted upon the forests. The most available of our forests have been consumed, but with the building of new railroads, which are opening forests before inaccessible, and with the improved implements recently introduced into the section by Walter Watson, Esq., of Fayetteville, N. C., it is thought that the production will hardly fall short of the last census reports, unless overproduction so cheapens the products as to render it unprofitable.

From that source the following estimate of merchantable pine in North Carolina is

n:	
Counties.	Feet-Board measure.
Bladen	
Brunswick	141,000,000
Chatham	448,000,000
Columbus	288,000,000
Cumberland	806,000,000
Duplin	21,000,000
Harnett	486,000,000
Johnston	
Moore	504,000,000
New Hanover	96,000,000
Onslow	34,000,000
Robeson	
Sampson	602,000,000
Wake	
Wayne.:	
Total	5,229,000,000

This estimate may be increased by the addition of the forests of Montgomery and other counties.

The statistics of the lumber industry of the State, as shown in the census, without distinction between the various kinds of woods, develops some interesting figures. We are told that there are 776 establishments with a capital of \$1.743,217 invested. On an average five thousand, three hundred and odd persons are employed annually. The value of materials, including logs and mill supplies, amounts to \$1,577,139, while the total value of all products aggregates \$2,672,796.

The estimated consumption of wood for domestic purposes in the State is 7,434,690 cords, which is worth \$9,019,569.

These look like enormous figures for the single item of wood, but taking the population at a million and a half, and the wood consumption in round numbers at nine millions of dollars, we have the very low average of six dollars per capita per annum. This is by no means prodigal, and it even looks as if some people didn't keep warm in the winter—in fact, it is a low estimate.

The forest fires are very destructive, and the State sustains losses in this way without any possible return. The amount of woodland so destroyed per annum is 546,102 acres, worth, say, \$357,980. Curious as it may seem, more than one-half of this wholesale destruction is chargeable to the carelessness of land owners, who do not prohibit the wanton wastefulness of timber in the clearing of lands for agricultural purposes. Generally the trees are felled, rolled into heaps and burned. Think of it! One hundred and eighty thousand dollars worth of wood worse than thrown away! More than enough to build a handsome monument to the prodigality of the oft-times impecunious landowner!

Hunters and malicious people are responsible for three-fourths of the rest of this shameful waste. Lightning, locomotives, camp fires and smokers are accountable for the rest. Now take into consideration the wastefulness occasioned by the extravagant methods in use in the manufacture of naval stores, and you have an aggregation of losses which must soon render the forest supplies inadequate for the necessities of the people. This must be manifest to all. The fact that we have an ever-growing population—and with it the consequent and necessarily increasing demands on the forestry—is a sufficient reason for husbanding such valuable resources. Be assured, every tree will be in demand!

THE BALTIMORE MANUFACTURERS' RECORD is almost a real necessity to every live Southern manufacturer and would prove of value to every intelligent Southern man. It is devoted exclusively to the industrial development of the South, but is the most complete and reliable paper of the kind published anywhere. It is the only technical journal of which we know that, without being what is known by the stereotyped adjective "popular," is of real interest to the general reader.—Shelby, N. C., New Eza.

Some Tariff Sentiments.

If Southern iron is able to drive Scotch iron out of the American market now, under the enormous tariff tax on machinery, which reduces the profits of the capitalis:, and the still more oppressive tariff tax on the necessaries of life, which reduces the profits of the laborer, what might this great industry accomplish if such burdens were removed? How can they be anything else than a clog upon the iron industries of the South, which from their superior natural facilities, are now able to compete successfully with the products of both the Pennsylvania and the Scotch furnaces?—Nashville American.

To the above the Mobile Register replies: All this is very illogical. Southern iron could not drive foreign irons out of the American market if our iron was not protected by a reasonable and favorable duty. If the views of the American were carried out not a pound of Tennessee or Alabama iron would find a market in our coast States. It would be cheaper to bring iron to Mobile from Wales than to bring it from Birmingham. The iron masters of the East understand this, and hence they are clamorous for free trade in raw material while preserving high protection on manufactured goods. The American is playing directly into the hands of the manufacturer. It would bring the land owner, the ore digger, the smelter, the owners of the furnace down to starvation prices, while it leaves the manufacturer of toves, ploughs, axes, rails, locomotives, machinery of all description protected at every point.

The theory of the Register as respects iron is the same as respects wool. If the manufacturer is to be protected, and we know that it is absolutely necessary to protect him in the present condition of the Treasury and the present status of the American laborer, it is just that the raw material should also be protected. Under recent legislation the duty on wool was reduced to such a point as to render wool growing unprofitable in this country tributary to Mobile. It has cost the farmers of the wire grass country more in one year than the highest protective tariff would cost them in ten years. And who has been benefitted by the reduction? No one but the wool manufacturer, who, while inducing the Democracy to forsake our home shepherds, took precious good care that there should be no reduction in the duty upon woolen goods. Now an effort is being made to inveigle us into an abandonment of the duty upon iron. At the same time there is no call for a reduction of duty on iron goods. This one-sided policy will not do. The tariff must be brought to a revenue basis, but so adjusted as to afford the largest protection to the largest number and the least protection where it is least needed.

"Returned Emigrants."

Our correspondent at Marion, Va., sends as the following extract from the Marion Democrat: "A gentleman formerly from Alleghany county, N. C., passed through our town this week, on his return from the great West. He left this place about the first of April with a large party of emigrants, many of whom are disappointed in the advantages of the western country. He says that the country is vastly overrated by railroad agents and land speculators. Laborers are numerous and work hard to get. the principal source of income to the farmis abundant and dull sale at 50 to 55 cents per bushel, whilst the other necessaries of life are very dear, and to be had only for eash. The experience of many proves that there is little advantage gained by going West from a country of so varied resources as the mountainous section of Virginia and North Carolina. The same energy and skill exerted in this country will be equally well rewarded. Close application to a legitimate business, will almost invariably bring reasonable returns.

able returns."

To the above our correspondent adds that several parties of "returned emigrants" have lately passed through Marion and neighboring towns, on their way back to their old homes in Virginia and North Carolina, having learned by experience that their own country possessed advantages equally as great as the West.

***CONSTRUCTION DEPARTMENT.

E PUBLISH, every week, a list ever kind, projected anywhere in the South; every railroad undertaken, and every mining company organized. This information is always fresh, and, by enabling manufacturers to correspond with the projectors of such enterprises before their supplies of machinery have been purchased, is of great value. Manufacturers will find it to their interest to read this department carefully each week.

ALABAMA.

Another canning factory is talked of at Apalachicola, Fla.

It is stated that the Sloss Furnace Co., Birmingham, Ala., are preparing to open a limestone quarry near Trussville, Ala.

C. F. Enslen, Birmingham, Ala., will commence work about June 1 on his \$10,000 bank building.

Geo. C. Kelly and others, of Birmingham, Ala., have organized the Birmingham Patent Rotary Churn Co., capital stock \$50,000, to manufacture patent churns.

O. O. Nelson, president of the Montgomery Oil Works, Montgomery, Ala., previously reported as intending to build a cotton seed oil mill in Mobile, and which it was supposed was the mill that D. H. Caswell & Co., of Nashville, Tenn., had received the contract to build writes us that it is not. Caswell & Co. writes us that they will build a cotton seed oil mill, and as the Montgomery oil Works will also build one, it looks as though Mobile would soon have two new oil mills.

Talladega, Ala., is discussing the building of water-works and a new jail.

ARKANSAS.

Dispatches from Arkansas report that a company of Chicago and New York capitalists have secured a large tract of mineral land in Independence county, and will shortly begin mining.

FLORIDA.

The Jacksonville & Surburban Railroad Co., Jacksonville, Fla., G. B. Griffin, president, has given contract for building a road 1 1/2 miles long.

A sash and door factory and shingle mill are to be established in Auburndale, Fla.

Moyers & Wilson, of Altamonte, Fla., have established a saw mill at Winter Park,

A company is being organized in Orlando, Fla., to make brick.

Work on the large schoolhouse to be built at Bartow, Fla., will shortly commence.

The Jacksonville & Atlantic Railroad Co. lacksonville. Fla., have purchased rails for their road and will shortly commence laying

The ice factory, previously reported as to be put up at Eustis, Fla., is being built by F. A. Smith.

The Gulf Ice Co., Pensacola, Fla., are about doubling the capacity of their factory.

A saw mill is being built at the new town of Bayard, Fla.

It is stated that Dreka & Co. will build a hotel in DeLand, Fla.

At an election, May 16, at Tampa, Fla. it was decided to build water works on the Holly system.

A saw mill has been built near Bangor, Ga. A tinware factory is being built in Atlanta, Ga.

O. M. Stone, Augusta, Ga., desires us to say that the report that he contemplated es-tablishing cotton gin works in Athens, Ga., is entirely wrong.

W. O. Connor, Cave Spring, Ga., will receive bids till June 10 for the erection of a 3-story school building for the Georgia Institution for the Deaf and Dumb.

Thomas Leigh, Newnan, Ga., whose saw mill was lately burned will rebuild at once. The Messrs. Slade, Lifsey's Store, Ga., will build a grist mill.

Work on the new depot for the East Tenn., Va. & Ga. railroad at Atlanta, has been

O. G. Robinson, Dawson, Ga., will shortly nence work on his new hotel.

J. M. Veach & Co., Adairsville, Ga., are putting some new machinery into their flour mill.

KENTHCKY

It is reported that an English company have purchased cannel coal property near Cloverport, Ky., which they will develop.

Elias Block & Sons, Prestonville, Ky., have increased the machinery in their distillery.

W. L. Pence, Frankfort, Ky., whose saw mill was reported last week as burned, loss \$10,000, will rebuild. Will also erect a planing mill.

The Falls City Silver Mining.Co., capital stock \$200,000, has been incorporated in Louisville, Ky.

Machinery is being erected at Uniontown, Ky., for making brick and tiles.

J. A. Kelly & Co., Henderson, Ky., have purchased and are putting into position machinery for making brick.

It is reported that Martin Garrity, of Cincinnatti, O., will establish a carriage factory at Warsaw, Ky.

An effort is being made to organize a \$50,-000 company in New Orleans, to develop iron ore property of W. P. Kimball, in Claiborne Parish, La., and possibly to erect a charcoal furnace.

The Messrs. Duty, Monroe, La., have asked for permit to build an iron covered machine shop.

MARYLAND.

There is some talk of a new glass factory being started in Baltimore by the glass blowers, on the co-operative plan. About \$12,000 capital is expected. John Long, city councilman, can give particulars.

Elkton, Md., continues to discuss the building of water works. Thomas Drennen, Elkton, can give particulars.

MISSISSIPPI.

Some weeks ago we reported the probability of a cotton compress being built at Greenville, Miss. A company has now been chartered to build the compress, and a large part of the stock has been subscribed. The Bank of Greenville, Greenville, Miss., can

It is reported that a canning factory is to be established in Mississippi City, Miss.

Thos. H. Dunn, of Columbus, Miss., is now working iron ore mines at Davisville,

It is stated that a company is peing organized in Columbus, Miss., to build a \$50,000 cotton compress.

There is some talk of the factory of the Vicksburg Manufacturing Co., Vicksburg, Miss., which is to be sold at auction, being purchased for a cotton-seed oil mill.

NORTH CAROLINA.

Thos. M. Holt. Haw River, N. C., is gathering lumber and making brick with a view of building a cotton mill in which to put about 224 looms, as soon as there is an improvement in the cotton goods trade. In our last issue it was stated that there was a report that Mr. Holt would build a cotton mill.

Gaylord, Davison & Spring Co., Leechville, N. C., previously reported as intending to build a saw mill, have about completed a saw and shingle mill. Capacity saw mill 20 to 25 M feet per day.

W. N. Blackley & J. W. Harris, Wilton, N. C., reported as purchasing machinery for a saw mill, will also add grist mill machinery.

M. A. Smith, Palo Alto, N. C., will rebuild saw and grist mill and gin, previously reported as burned; loss \$6,000

N. Atkinson and others, Asheville, N. C., will probably develop a gold mine in Henderson county.

W. D. Lathrop & Co., Elizabeth City, N. C., are preparing to enlarge their cotton seed oil mill, put in more machinery, &c.

It is thought probable that N. F. Dexter. will establish reduction works at Charlotte,

R. B. Vance, C. M. McLeod & M. J. Fagg have been granted privilege of building a street railroad in Asheville, N. C.

Moore & Brady, Newberne, N. C., have commenced on the foundation of their canning factory, previously reported as to be

SOUTH CAROLINA.

Myers & Cole, Laurens, S. C., are building a foundry and machine shop.

TENNESSEE.

Isaac L. McKee, of Memphis, Tenn., has received contract to grade 10 miles of road for the I, A. & T. R. R. Co.

R. E. Haynes has purchased the Harpeth River Mills at Franklin, Tenn., for \$6,000.

The Cedar Bluff Manufacturiug & Railroad Co., of Knoxville, Tenn., has been incorporated.

L. A. Read, Chattanooga, Tenn., has conpleted his grist mill previously reported.

E. S. Rowan, McMinnville, Tenn., will probably build a saw mill on the site of the one recently burned.

TEXAS.

W. C. Cloye, of Louisiana, will probably build a sash and door factory in Longview,

A company has been formed to open and develop a vein of coal on the property of Mr. Slover, near Bowie, Texas.

R. S. Minger, of Mexia, Texas, contemplates establishing a factory at Dallas for manufacturing cotton presses, &c.

The Lancaster New Roller Milling Co. has been organized at Lancaster, Texas, with H. I. Moffett, president; E. Beckley, vicepresident; Paul Henry, treasurer, and Dodd Rollins, manager. Capital stock \$30,000.

Myers & Eakel, Fort Worth, Texas, whose planing mill was reported last week as burned, (loss \$12,000,) will be succeeded by B. H. Myers, who will rebuild at once.

J. H. Aiken, of Adrian, Michigan, is reported as contemplating establishing bronze works in Dallas, Texas.

The Dallas & Northwestern Railroad Co. has been organized at Dallas, Texas, with T. L. Marsalis president, to build a road 160 miles long. It is thought that construction will be commenced very shortly. Capital stock \$2,500,000.

The Denison Cotton Company, Denison, Texas, the organization of which was reported last week, will expend about \$25,000 in machinery for ginning cotton and manufacturing cotton-seed oil. Capital stock \$50,000.

Geo. Anderson & Son, Cleburne, Texas, previously reported as intending to build a flour mill, have, we are informed. purchased machinery for a 75 or 100-barrel flour mill.

According to report, John Hash, near Lancaster, Texas, will develop a coal mine.

Knight, Varbrough & Kiker, Burns, Texas, are erecting a mill and gin.

J. H. Brown, Fort Worth, will erect a large warehouse.

S. Busnitz & Co. will shortly open a large obacco factory at 1100 and 1102 Cary street, Richmond, Va.

Bartlett Bolling, Keswick, Albermarle county, Va., can give information about the proposed flour mill, previously reported as likely to be built at Shadwell, Va., near Charlottesville.

Edward Allen, Blacksburg, Va., will probably establish a broom factory.

Extensive pressed brick works are being established at the foot of Washington street, Alexandria, Va., by Nothern capitalists.

WEST VIRGINIA.

The Wolf Creek Tram Road Co., with office at Rowlesburg, W. Va., has been incorporated to operate in Pocahontas county.

The Kanawha Railroad Co., of West Virginia, are extending their road about one mile in order to open up new coal fields.

BURNED.

The boilers in the cotton mill of the Bibb Manufacturing Co., Macon, Ga., exploded May 18, damaging machinery and engine house; loss reported by one dispatch \$25,000, and by others \$10,000.

Saw mill of Newsome & Reddick, Williston, Fla.

Saw mill of Tilghman, Wright & Bro., Fowling Creek, Md.

The saw mill of Dr. J. T. Hester, Salem, Ga., has been damaged by boiler explosion. Elmore saw mill, near Magnolia, Ark.

Saw mill of J. L. Murray, St. Georges, S. C. Loss \$2,000.

Veneering works of Franklin & Kinsey; loss about \$16,500 on machinery and stock; Rock City Woolen Mills; loss \$12,000; and the Jackson mill,-all of Nashville, Tenn.

Mill and gin of D. B. & A. H. Elam. Covington, Tenn.

Henry Dunkart's saw mill near Olive Hill, Ky., has been badly damaged by boiler explosion.

Opening a Big Coal Mine.

BROKEN ARROW.

ST. CLAIR Co., ALA., May 16, 1885. Editor Manufacturers' Record:

The Coosa Coal & Coke Company, of Broken Arrow, Ala., commenced work on their new slope on the 10th, on the East & West Railroad lands, situated at Ragland, St. Clair Co., Ala. The platform will be 41 feet in height, to give good screening facility, and one hundred and fifty feet long. The Lidgerwood engine, 14x28, is to do the hoisting. Boilers from Rome Foundry & Machine Works, Rome, Ga., and Knowles Duplex Pumps, through Linn Iron Works, Birmingham, Ala. C. E. James & Co., of Chattanooga, also Hardy & Co., of Rome, Ga., have been favored with a large order for general supplies of the new mine. The work is being pushed in every department, o that coal can be put on the market by une 15. The capacity is to be 500 tons in ten hours, when completed.

LOCKWOOD, GREENE & CO. MILL ENCINEERS

Office, 65 Westminster St., Providence, R. I.

Carefully prepared plans, specifications : tates furnished for the construction, equiping reganization of new mills and the revision rovement of old.

New Enterprises at Union Depot, Tennessee.

UNION DEPOT, TENN., May 15, 1885. Editor Manufacturers' Record:

A large tract of land above this place, on Holston river, has been purchased by a Northern company, who will at an early day put up saw mills at this place, they having bought considerable property here on which they intend to locate their works. Other manufacturing enterprises are spoken of in connection with saw mills, one of which is an extensive furniture factory. On the land spoken of above large deposits of zinc have been found, and the ore tested, and it has proven to be of a most excellent quality, and in such quantities as will justify the working of it, which will be done in connection with their lumber business, and probably smelting works erected here. This place offers most excellent advantages for any kind of manufacturing enterprise, and what is now a dull town of 500 inhabitants we think will, in the course of a few years be a considerable manufacturing parish. Am not able at present to give address of parties, but will in a few days. A. A. Hobson, Bristol, Tennessee, is their agent.

C. O. FRY, Mayor.

FRANKFORT, KY., May 15, 1885. Editor Manufacturers' Record:

I intend to rebuild my saw mill this sum-I am undecided as to whether I will put in a band mill or circular. If circular. will have capacity of 35,000 feet per day. Will also erect a planing mill same size as saw mill. My lot is in Belle Point, across the river from Frankfort. I do not know what it will cost to build them. My mill that burned was valued at \$10,000; insured W. L. PENCE. for \$5,700.

A New Ice Factory.

Eustis, Fla., May 12, 1885. Editor Manufacturers' Record:

Mr. F. A. Smith has ordered an ice machine to be erected at Eustis; it is expected to be in operation by the 1st of July; capacity 7 tons per day; cost of plant \$10,-000. Wood-Bailey Ice Machine Company. Т. Ј. ТІТСОМВ.

A Cotton Mill to be Built.

HAW RIVER, N. C., May 14, 1885. Editor Manufacturers' Record:

I propose building a weave mill for 224 looms with quillers, beamers, and presses necessary. I am now making brick for the purpose, getting such lun ber as ought to be seasoned, and doing other work at my leisure. I will not put the building up this year unless business revives. I merely want to be in a position that if it ever does revive I can get it quickly in operation. THOS. M. HOLT.

COLUMBUS, GA., May 15, 1885. Editor Manufacturers' Record:

We have contracted with and are now building for the Leesburg Ice Co., Leesburg, Fla., a five ton ice machine.

H. D. STRATTON & Co.

NEWNAN, GA., May 14, 1885. Editor Manufacturers' Record:

Mr. Thomas Leigh lost his saw mill by fire a few days ago, but will immediately re-R. N. COLE. build.

FORT WORTH, TEXAS, May 11, 1885. Editor Manufacturers' Record:

Mr. B. H. Myers will succeed Myers & Eakel and rebuild at once; the engine and boilers and the most expensive parts of most of our machinery can be used with repairs. Mr. Eakel will select a location in Georgia or elsewhere and build up another business. All claims against us will be paid in full at MYERS & EAKEL.

A Texas Limestone Quarry.

BLUFFTON, TEX., May 6, 1885. Editor Manufacturers' Record:

I am developing a quarry of hydraulic limestone or cement rock which promises to be a paying enterprise, and I think will justify me in establishing a manufactory for the production of cement. Cannot say positively when this will be done or how extensive it will be to commence with, but think it will probably be inside of the present year. In the meantime shall quarry and ship the rock to parties already engaged in manufacturing cement and water lime.

Prof. A. R. Roessler United States geologist, now engaged in examining the minerals of this section of the State, writes of this, under date of April 17:

"I have examined the piece of rock col-lected on Weil's headright survey, west of Tow Valley, Llano county, and find it to be hydraulic limestone composed of carbonate of lime, silica, silicate of alumina, carbonate of magnesia and oxide of iron. mixing it with gypsum (sulphate of lime) all in powder, and then roasting it in a puddling furnace, it will make an excellent cement. The remaining mass is then to be ground again and re-roasted, and, after mixing it with 2 or 3 parts of carbonate of baryta and some very pure sand, it will make a hydraulic water lime equal to Por land cement. When formed into mortar it hardens in water, and is used in cementing under water."

The above is an exact copy of what Mr. R. says regarding the rock. He is a geologist of wide reputation, and is probably known to you personally or by reputation.

F. STILES.

MOUSE CREEK, TENN, May 16, 1885. Editor Manufacturers' Record:

This county is well supplied with running water, and nearly every little water power is utilized in some way. Years ago a novel hominy beater was constructed on a small stream near here. It consisted of a mortar and a tilting beam, with a pestle attached to one end, and the other was scooped out like a tray. As the water poured into the tray the beam would tilt the pestle, and as the water was discharged or spilt, the pestle would fall. In this way a regular beating was kept up, making about enough corn hominy for the neighborhood. interest some of your readers to know that in most of our tanneries the water used is raised by a wooden water wheel, having usually about two feet fall. Small caps are fastened to the side of the wheel, which dip and discharge the water at proper points. This simple device rarely ever gets out of I. N. SCHULTZ.

NASHVILLE, TENN., May 16, 1885. Editor Manufacturers' Record:

The Southern Tanning Co. is a regularly chartered stock company, organized for the purpose of tanning as a specialty raw hides, lace and picker leather; shall use about \$10,000 and increase our works to double that amount in a short time. The officers are myself as president and general manager; Mr. C. R. Handly, secretary and treasurer. Mr. J. T. Coupe, of South Attleboro, Mass., is our boss tanner. I am a Northern man from Janesville, Wis. W. L. CONCH.

DALLAS, TEX., May 16, 1885. Editor Manufacturers' Record :

I am building a corn mill and elevator. Capacity of mill about 200 barrels per day. S. P. Young.

WILTON, N. C., May 14, 1885. Editor Manufacturers' Record:

We are just completing our saw mill and will build a grist mill at once; have not pur-

W. A. BLACKLEY & J. W. HARRIS.

A New Cotton-Seed Oil Mill.

DENISON, TEXAS, May 16, 1885. Editor Manufacturers' Record:

The Denison Cotton Company, the capital tock of which is \$50,000, one-half of which will be invested in plant, will be ready to run by September 1st, 1885. Object: to buy cotton from farmers in the seed, gin, bale and sell the lint, and express the oil from the seed. Capacity of mill one hundred bales per day, worth \$50 each; 50 tons of seed, worth \$10 per ton. I am the manager of the Denison Cotton Company, and shall be pleased to answer all proper inquiries at any time.

C. H. MERRY.

LAURENS, S. C., May 18, 1885. Editor Manufacturers' Record:

We have started a foundry and machine shop at this place as a repair shop, but expect to commence the manufacture of cotton presses soon. The shop is not completed yet, but will be in a few days.

MYERS & COLE.

A Large Tobacco Factory.

RICHMOND, VA., May 19, 1885. Editor Manufacturers' Record :

We shall start the manufacture of cigarttes and smoking tobacco in a large brick building, Nos. 1100 and 1102 E. Cary street, built by E. Y. Cannon, between 1st and 10th June. S. Busnitz & Co.

Saw and Grist Mill.

PALO ALTO, N. C., May 13, 1885. Editor Manufacturers' Record :

I intend to rebuild again and will be ready to run in sixty days; work being done by M. A. SMITH. contract.

REDDING, ALA., May 18, 1885.

Editor Manufacturers' Record :

We have for the past year been in the mining business, but on the 12th of this month we changed our business firm by ororganizing the Morris Mining Co.

MORRIS & BRO.

Some Points on Iron Making in Alabama.

[Special correspondence MANUFACTURERS' RECO BIRMINGHAM, ALA., May 16, 1885.

The big hotel scheme that has been on foot here for the past two years has at last assumed some shape. A hotel company will be organized by the Elyton Land Company, with a capital stock of \$200,000. The Elyton Land Company will take stock to the amount of \$150,000, and all they ask of our citizens is to take the remainder, \$50,000, in first mortgage bonds bearing 4 per cent. interest.

The Citico furnace, Chattanooga, has recently purchased 2,000 tons of ore from Birmingham iron men which will be used on trial. If the test proves satisfactory the company will no doubt contract for 3 car loads of ore every day for a long term. They are negotiating with Morris Bros., at Redding, Ala., a distance of about 12 miles from Birmingham, who operate the Morris ore mines. The freight on iron ore to Chattanooga has formerly been \$1.25 per ton. When several contracts were made by Chattanooga with Birmingham for iron ore, the Louisville & Nashville and Memphis & Charleston Railroads entered the fight to secure the shipments. The Queen & Crescent finally reduced the rate to Chattanooga to 80 cents per ton and secured the business.

A gentleman speaking to your correspondent a few days ago regarding the price of iron ore as paid by furnaces who buy, said: "I made a proposition to an iron man here to furnish 100 tons of ore per day at \$1.50 per ton. He gave the proposition no consideration at all, but intimated he would probably pay \$1 or \$1 25 per ton. Iron ore at this time was worth from \$3.75 to \$4.50 in the Chicago market."

The majority of iron makers in this district own their ore mines and lands, and the ore is shipped over the Birmingham Mineral Railroad, which is also owned by them. The Pratt Coal & Iron Company furnishes one furnace here with about 30 cars of coal per day, the price of coal being governed by the price of iron. Manufacturers are endeavoring to possess everything necessary to iron making, and have been trying for some time to have their new water-works incorporated, so as to avoid using the water of another company. They will eventually own their coal mines. When this is done they will have everything at hand without purchasing from outside parties. With the present advantages they say they are making no money. Why do they run? With advantages they have now, if they can afford to run the entire year, when they execute the plans heretofore mentioned, if they do not make money it will surely be the result of bad management, and not because they are not in a condition to do it.

The Woodward Iron Company, who have their furnace about 12 miles from Birmingham, is, it is said, the best located furnace in the whole United States for making iron They have limestone, fuel, ore and everything else used in iron making at their door. An iron man remarked the other day "There is no money in iron at a cost of \$12 per ton, and there is no furnace making iron for less than that amount anywhere in this district. The Woodward furnace, at Wheeling, Ala., may possibly, but not probably, make it at a fraction less, and if they can't do it, no furnace in the State of Alabama can do it. They are within arms-length of everything that goes in their furnace.

Your correspondent then asked: What does ore cost manufacturers here?

About \$1.50 per ton; sometimes less; and then the freight on iron to the markets is from \$4 to \$4.50, and so on."

And you don't think iron can be made here for \$9 and \$10 per ton?

"No, sir; it cannot; when people reckon the cost of making iron they simply figure on the coal, coke, ore, labor, when there are a great many incidental expenses that persons not in the business know nothing about."

Iron can be made at Gadsden, Ala., a town of 3,500 population, about 70 miles north of here, on the Coosa river, at 89 per ton, and they are not afraid to tell the world. It can be made as cheap in Birmingham as Gadsden and is made as cheap. No clear-headed man will examine this mineral section, investigate the situation, and believe it costs \$12 per ton to make iron here. J. C. A.

THE Hulings Lumber Company, composed of parties from the Alleghany valley, have purchased about 30,000 acres of timber land in the Cheat river country, and have erected a mill on the Monongahela river, near Creensboro, with a capacity for sawing 40,000 fert of lumber in a day. This is the pioneer establishment in what is considered one of the finest lumbering regions east of the Mississippi river.-Grafton, W. Va., Eagle.

THE Sea Island News, of Beaufort, S. C., has entered upon its seventh volume. News is working earnestly for the development of Beaufort, but, judging by its own statements, the business men of that town fail to appreciate the importance of adver-tising the resources and advantages of Beau-fort. The natural advantages of a town will avail but little if its inhabitants lack the enterprise to let the world know of them,

THE MANUFACTURERS' RECORD, of Baltimore, Md., is a weekly paper whose efforts are directed to the Southern States. It sets forth the wonderful resources of the South, and the facilities the Southern States possess for almost every branch of manufacture. We consider it the best authority on all Southern industry.—Enterprise, Beaumont,

A Florida Coal Mine.

Those who imagine that Florida consists of white sand, insects, malaria, land agents, king snakes and oranges alone are very badly mistaken. Let me pick a few of the scales from their eyes and tell of something that may some day give the State more than four electoral votes and render returning boards entirely unnecessary. To the surprise of many, perhaps, I will state that Florida is rich in minerals, and the time will surely come-nay, it is almost here-when the orange grove will be a secondary consideration, and myriads of red-jawed smoking furnaces will prison the balmy, life-giving air. Outcroppings of gold have been found in the counties of Alachua and Wakulla, lead in Hamilton and Taylor, phosphates in Suwanee and Columbia, iron in Alachua and Gadsden, and in other counties other minerals await the investigation of the geologist and the speculator.

The late Col. A. Hardee, once a prominent citizen of Duval county, devoted to the interests of the State and his fellow man, told me some years ago that in the course of his travels and experience he had discovered an immense vein of copper ore, which he estimated at nine miles in length. Only press of other business and lack of encouragement debarred him from its thorough development. That there are large deposits of coal in the State is an established fact as will be vouched for by old citizens in this locality, who have seen it in use and were acquainted with its pioneer discoverer, and there is now a bonanza awaiting the daring and energetic prospector who can locate the lost coal mine that forty years ago excited the languid curiosity of the old planting community, but whose exact location remained to them a terra incognita unto the end.

It yet remains a seemingly impenetrable mystery, defiant of solution, but within the grasp of some capitalist of nerve willing to risk his ducats on the chance of turning up luck. A fortune lies idle—who will claim it? A throne is ready for the coal king who will have prescience enough to step into his kingdom. Let me tell the story, and let him who will take advantage of it. The coal is here, near to the banks of a navigable stream, and though it may read like a romance, this is an o'er true tale.

Forty years ago, at a little place on the Suwanee river, which now goes by the euphoneous name of Columbus, there lived and flourished one Burgess, an eccentric old Frenchman. He was a blacksmith by profession, and in his limited sphere did a great deal of good. In a peculiarly agricultural region his occupation made him a person of more than ordinary importance. A skilled artisan, his services were always in demand, and his humble shop was the center of a wilderness of weeds. Here he repaired the wagons of the honest farmers, renovated the dilapidated skillets of the hospitable housewives, shod the horses of future Southern statesmen and soldiers, gave new life to disabled hoes and ploughs, and occasionally put new hair springs in the watches of such negroes as happened to be quasi arbiters of time. Short and squatty of person, and retcent of speech, he won the esteem and respect of a clientage that preferred to do all the talking, and he soon laid up a goodly supply of treasure. The blacksmith used genuine bituminous coal. In a coalless country, and on the borders at that, how he got it was an absorbing mystery, and a mystery it has remained to this day. Many were the efforts made to discover his secret, but they all failed. Watch after watch was placed on his movements, but they all came to naught. Every little while the shop would be locked up and the owner would mysteriously disappear. As he always seemed to have a supply of coal on hand, it was impossible for the amateur detectives of that locality to pipe him off. His means enabled him to have a flatboat of his own and a deaf and dumb negro he had purchased from some

planter, with himself, constituted the crew. Secretly, at midnight, dark and gloomy as the fabled shades of Erebus or the editorials of the Cincinnati Commercial, they would loosen their boat from its fastenings and quietly drop down the river. In about two weeks they would return with two or three months' supply of the concentrated soot. The doors of the smithy would spring open, the fires would blaze and crackle, and at the forge would be old Burgess, but neither from him nor his grinning helper could a word be gotton as to their journey.

Growing rich and feeling the burden of old age creeping on him apace, old Burgess sold out his business and removed to Cedar Keys, where he died in March, 1861. On his death bed he confided to his only relative the secret that had made him wealthy, and disclosed the locality of his treasure.

Besides being a skilful blacksmith, the

old man was a mighty hunter, and always kept his larder supplied with the best the forest afforded. Once, having started with a large party on a flatboat bound for some point where an important meeting was to be held, he was led to a discovery which made his fortune. The boat struck a snag on the trip, and became so disabled that it was determined to haul it to the shore for neces sary repairs. As these would necessitate a day's delay, Burgess took his rifle, and, with the remark that he would give the party a turkey supper, strode into the wilderness, Lured by the incessant calling of amorous gobbiers, he tramped and tramped until nany miles was left behind him. The sounds grew nearer, and, cautiously creeping up, he saw in a little glade near the river wo splendid gobblers engaged in warfare. by a lucky shot he killed both, and was running to the spot to claim his prize when he stopped as suddenly as though asked to take a drink. From an adjacent thicket a huge bear, red of eye and opulent of teeth and claws, came charging furiously at him. There was no time to retreat, and the only haven in sight was a somewhat indisposed sapling that hung despondingly over the river. To drop his gun and climb that was the work of a moment, and a mighty short moment at that. The bear, baffled in its efforts to tear up the tree by the roots, kept him a prisoner for an hour or so, and then disappeared. In trying to descend from the Burgess made a misstep and went tumbling through the air to the river below. About half way down he struck a ledge of crumbling rock, and was followed to the water by a shower of fragments. Only slightly bruised and an expert swimmer, he soon gained the shore, and to his utter astonishment saw that the dislodged stones were coal. He located the spot, and ever afterward drew from it as occasion required. His nephew had just about organized an exploring party when the civil war broke out. Enlisting in one of the Florida regi-ments, he was killed in one of the first battles of the war, and the secret of the coal mine perished with him.

As near as I can find out, the deposit of coal is located on the Santa Fe River, some five or six miles below its junction with the Suwance. There are prominent gentlemen living in this country who remember Burgess very well and can testify to the truth of this screed.—Hamilton Jay in The Sun.

A NEW railroad enterprise is in course of development in Tennessee. The Cumberland Railroad Company has registered its charter, with Colonel E. W. Cole, of Nashville, as president. The company owns and is securing large coal interests in Cumberland and adjoining counties, and is devising means to have them developed. The project is to build a road from the coal mines near Carthage to the nearest and most accessible point on the Cumberland River, so as to get the benefit of river transportation to points below, and also to extend the Tennessee & Pacific from Lebanon to that point. The company expects to establish large coking works, and, putting a fleet of barges from this point, to supply the demand below, as Pittsburg is supplied by barges down the Monongahela.—Ex.

Georgia Gold Mines.

The gold mines around Dahlonega, Ga., are, according to the Signal, almost all at work. "The Barlow mine has a good water supply. The Chicago and Georgia is being overhauled, and the mill will be started up in a short time. The Columbia is running ten stamps. The Gordon is running a twenty stamp force on half time. The Ralston mill is running night and day. In the Bast mine work was resumed a few days ago and the mill started Monday morning last.

Mr. Perien has been overhauling and makng some needed improvements at this mine. They have a good supply of wool and a steady summer's run is anticipated, there being plenty of ore and of an average grade. In the Findley, work was resumed Monday last. This property has been leased by Mr. King, and he hopes to start the mill at an early day. Mr. Marion Moose is to take charge of the mine. In the Lockhart work continues and the mine is looking well. Mr. John Reid, the superintendent, is off for few days, having gone to Gainesville. Work continues at the Garnett mine, but as to the yields we are not informed. The Ivy mill is now kept on full time and the plate are showing up well. The cut is in good shape and shows up plenty of pay material; in fact they are taking out better ore than ever. Some fine specimens are shown by Mr. S. W. Gaydon. He had been taking out some of the best ore he ever saw. mine, generally speaking, is in better shape than any in the county. Mr. Perien deserves much credit for his untiring and energetic management of the Ivy and Bast mines. He is a most attentive as well as practical superintendent."

THE astonishing success of the New York World, under its present ownership, has been one of the wonders of the day. For years the World was a property of uncertain value, its management marked by "spurts" of enterprise that seemed to exhaust themselves before being carried far enough to place the paper on a substantial basis. A few years ago it was bought by Mr. Joseph Pulitzer, of St. Louis, and at once there v breathed into it the breath of life. The wiseacres predicted that the attempt to run a paper in New York on "wild Western" methods would meet with failure. They have been disappointed. The paper took at once, and both in circulation and advertising patronage it has probably done better than even the best hopes of the publisher led him to expect. Its daily circulation now far exceeds 100,000, sometimes going beyond 150,000, and is increasing every week. It is a live, active, vigorous journal, and, considered in all its aspects, is one of the best daily papers in America. Its weekly edition is a splendid compendium of news and family reading.

A GENTLEMAN just returned from Pennsylvania brings the information that Sam Thomas is letting out contracts and making other necessary arrangements for the erection of his furnaces near this city. The contingency upon which Mr. Thomas has been waiting has been settled. A company of Eastern capitalists have agreed to put in \$400,000 cash against his mineral lands valued at the same amount. The plant will be located on the Hawkins farm. These furnaces, together with one to be built by the Mary Pratt, and two by the Pratt Co., will nearly double the iron-making capacity of this section.—Chronicle, Birmingham, Ala.

**If you are not already a subscriber to the Baltimore Manufacturers' Record, send us \$3 and you will receive it regularly for one year, or six months for \$1.50.

Literary Notices.

UNABRIDGED encyclopædias there are without end, but it is for Cassell & Company to publish the only condensed, or as they call it "Concise Cyclopedia" This is a volume of 1340 large octavo pages, into which is squeezed with intelligent compression, the juice of innumerable volumes. It is the first attempt that has been made to make such a book, and it has been wholly successful. Nearly twelve thousand articles are treated of mythological, historical, biographical, geographical, topographical, scientific, and technical subjects. William Heaton, the editor, has been ably assisted, by a corps of specialists. There are numerous illustrations scattered throughout the book.

THE Country Merchant has changed its name to the American Merchant, a better and broader title. Its May issue consists of 52 pages, a large part of it being devoted to a history of the rise and progress of Chicago, illustrated by a splendid full page cut of the magnificent new building of the Chicago Board of Trade. The American Merchant is published in New York with a branch office in Chicago.

THE American Artisan, of Chicago, has issued a valuable "table showing the cost of tin per sheet, number of sheets of tin in each article, the number for a day's work, the cost of material, including tin, wire, solder, trimmings, etc., with tin plate at any price per box, the cost of tin per sheet at any price per box, the cost of making, with wages at any price der day, the cost of making by the dozen, also total cost by the dozen." This table is printed on card board, so that by hanging it against the wall it will always be ready for reference. The price is \$1.00.

A CATALOGUE of hardware specialties, made by the American Machine Co., Philadelphia, has just been issued by that company. It illustrates and describes their well known goods, such as Fluting Machines, Ice Cream Freezers, Clothes Wringers, Mrs. Pott's Sad Irons, Perfection Scales, &c. Particular attention is called to two new lines of goods, the American Tobacco Shave and Perfection Scales, and to the change in the list prices of Original Knox Fluters and American Machine Co. Wringer. A special Ice Cream Freezer catalogue is also issued by the same company. Copies can be had upon application to the company.

THE Backus Water Motor Co., Newark, N. J., in their new catalogue, illustrate and describe their motors and the many uses to which they can be put very advantageously. These motors can be used to furnish power for all kinds of machinery from one-eighth to ten horse-power.

The sixth annual catalogue of the Milburn Gin & Machine Co., of Memphis, Tenn., is an interesting pamphlet of 48 pages, illustrating and describing the various kinds of machinery made by this company, which by the way, is a very extensive concern. Their works are of immense size, only lately completely rebuilt and furnished with the most improved machinery to be had in America and Europe. They are manufacturers of the Milburn gin widely and favorably known throughout the South, engines, boilers and other machinery. Their new catalogue will be sent free upon application to John D. Milburn, president, Memphis, Ten 1.

Home and Farm,—a weekly agricultural, live stock, home and industrial journal,—has lately been established at Harrisonburg, Va. It is an 8-page paper, with subscription price only \$1.00 a year, and should meet with liberal encouragement from Virginia. Papers of this character, that, ignoring politics, devote their attention entirely to the material interests of the South, are doing great good and deserve a hearty support.

What the Expositon Has Done for New South Carolina.

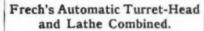
Major L. A. Ransom, who has represented South Carolina at the New Orleans Exposition, has given the Charleston News and Courier a statement of the benefits already seen as a result of the splendid display made by South Carolina at New Orleans. Among other things he says: "Some few weeks since the Japanese commissioner called at the South Carolina department for information regarding the

PHOSPHATE ROCK

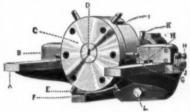
of the State. He said that he was a member of the Japanese bureau of industry and, under a commission from that bureau, had been for two years in London investigating the manufacture and use of commercial manures. In his investigation he had found allusions to the South Carolina phosphate deposits, but the information he had been able to obtain was very meagre. He examined the rock on exhibition in the State department and the chemicals used in its manufacture. He found that fish scrap was one of the ingredients used for ammoniating purposes, and he at once expressed the opinion that as there are millions of tons of in Japan it might be transported to South Carolina and exchanged for phosphate rock, and if such an arrangement could be made it would open a splendid market for the rock and develop an industry of considerable magnitude. He returned to his own exhibit and brought the commission two samples of the scrap alluded to. This was sent to Prof. Chazal, the chemist of the department of agriculture, who analyzed it and reported that its commercial value was about 25 per cent, higher than the scrap now used by the manufacturers of fertilizers. This was communicated to the Japanese commissioner and he expressed the belief that while this chemical test showed the superiority of the Japanese article, that it could be laid down in Charleston at a much lower price than the manufacturers now pay. He subsequently informed me that he had communicated these facts to his government, and hoped to have all the information necessary to enable him to decide whether or not it is practicable to establish the business he desires. He says he will visit Charleston at the close of the Exposition, if not sooner, and investigate the subject fully. Allusion to the matter was made in an editorial in one of the local papers and met the eye of a German who was visiting the Exposition. He was so interested in it that he called at the South Carolina department to examine the phosphate exhibit. He said he was interested in kainit deposit in Germany, and he saw no reason why a similiar arrangement could not be made for the exchange of kainit for phosphate rock. He obtained such information as he desired and promised to call again, or correspond with the manu. facturers and miners. A Mississippi planter, who had never used commercial manures, informed me that he would order thirty tons of South Carolina fertilizers this season, and was induced to do so by the exhibit. A gentleman who owns two large orange groves said that himself and many other owners of groves, who had heretofore used Northern fertilizers, would hereafter use nothing but the Carolina products. An owner of one of the largest sugar plantations near New Orleans, said that he used about two hundred tons of fertilizers every season, and nearly all of it was manufactured in the North, but hereafter he thought he would buy largely of the South Carolina manufacturers. The Florida commissioner was presented with a quantity of the South Carolina fertilizer, shipped to New Orleans for distribution, and it was used on his oranges groves, and he reports that the results have been so satisfactory that he is sure many owners of groves in Florida will use it another year. Many farmers from the Western States, who have never used commercial manures of any kind, are anxious to make some experiments with them, and it is possible that some orders may be received from them, and if the introduction of these fertilizers is satisfactory, it will be followed by a large business. The South Carolina fertilizer exhibit has given such a boom to this industry that manufacturers all over the Union will be benefitted, but, of course, not to the same extent as our own companies.

THE WOOD EXHIBIT

has attracted almost as much attention as the phosphate display. Lumbermen from all sections of the country have visited the Exposition and have been pleased with the exhibits from all the Southern States. In the South Carolina department there are about 140 specimens of native woods, all of merchantable size, and they attract much attention. Inquiries relating to the timber resources of the State have been frequently made, and these investigations will no doubt result in a rapid development of the lumber industry at no distant day. The exhibit of manufactured goods and the maps of the water powers of the State have attracted at-



A new device having many claims to originality and excellence is shown in annexed engravings, which represent Frech's Automatic Turret-Head and Lathe combined. This machine does fully the work of two machines as Monitor or turret lathe and speed lathe, and is very effective and quick in operation. In this device the turret-head



forms an attachment, and consists of frame A, (see fig. 3,) a cross-bar B, the head C, &c.

cuts up to ½-inch screws. The countershaft is so constructed that the shifters will be operated by foot, the operator having his two hands free for the work. These machines are built by William Frech, 68 and 7c West Monroe street, Chicago.

List of Patents.

next hole or port. The small pawl operates the steady-pin and the large pawl turns the

head, being tapered down or slanting to-

wards the tail-stock. The turret-head is

accurately made, and can be detached from

the tail-stock simply by taking out one screw

and loosening the set-screw on cross-bar.

Centers and face-plate can then be attached

and used as any ordinary lathe, as shown in fig. 2. The lathes are built in two sizes.

No. 1 is a bench lathe, has 4 speeds, runs 1 1/4-

inch belt, 15-32-inch hollow spindle, swings

10 inches, and cuts up to 1/8-inch screws;

the bed is 2 feet 9 inches long. No. 3 has a

31/2-foot bed, 12-inch swing, 4 speeds, runs

11/2-inch belt, 19-32-inch hollow spindle, and

The following Patents were granted to citizens of the Southern States, bearing date May 5, 1885. Reported expressly for this paper by Louis Bagger & Co., Mechanical Experts and Solicitors of Patents, Washington, D. C.

ships ... 217,748

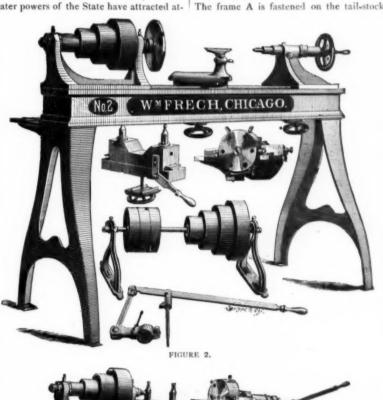
Dunn, W. W., Fort Worth, Tex. Water-wheel, 317,934

Fennell, Joseph, Cynthiana, Ky. Horse-boot. 317,525

Graves, W. W., Whitesborough, Texas. Sliding-gate ... 317,765

THE Lidgerwood Manufacturing Co., New York, say their sales for the past three weeks have averaged three engines a day. They are running full time, and if this state of things continues will soon have to run their works overtime,—American Machinist.

THE MANUFACTURERS' RECORD, of Baltimore, is doing a great work for the South. No manufacturer should be without it. The entire South owes it a debt of gratitude for properly representing our industrial progress.—Anniston, Ala., Hot Blast,



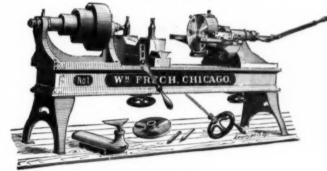


FIGURE 3.

tention to the advantages afforded by the State for factories of every description, and this should result in bringing capital here for investment in such enterprises.

The varied agricultural productions of the State illustrated by the exhibit have given a correct impression regarding our agricultural capabilities, and the interest that has been shown by visitors in this direction convince me that it will be the means of inducing an influx of prosperous small farmers from the Northwestern States and elsewhere to South Carolina. The display of ores and building stones will, I am satisfied, cause the development of our resources in that direc-Our special exhibits, rice, naval stores and fish, have been of immense benefit to the State in showing the variety of our productions and our natural wealth, while the exhibit of birds and animals from the Char-leston Museum has not been excelled in the quality of the specimens, even by the splendid displays of the Smithsonian Institute, and have not been equalled by that of any other firmly by the projecting hob. The cross-bar B is attached to the spindle of the tail-stock by means of a set-screw, K, and slides forward and backward on the frame A, being encased on four sides. The head C is bolted on the cross-bar, and revolves on a steel bolt, D. There are 6 holes or ports to receive tools, mills, cutters, drills, &c., which are held firmly by projecting set-screws E, acting at the same time as studs to automatically turn the head. In the rear of these setscrews there are 6 slots, I, 1/4 inch wide and 5-16 inch deep, in which rests the steady-pin The pawl F swings on the frame A, and is held and brought back to its proper place by a spring concealed in the frame, H is a small pin attached to the steady-pin, and is pressed back by the pawl G, thus disengaging the steady-pin H'. The small pawl G on the top of the frame will disengage the steady-pin at the moment the setscrews strike the pawl F underneath, thus assuring a swift, easy turn of the head to the

with one screw, its upper portion being held

A Very Extensive Southern Machine Co.—The Milburn Gin and Machine Co.

We take much pleasure in presenting an illu tration and description of the very extensive works of the Milburn Gin and Machine Company, of Memphis, Tenn., one of the largest enterprises of this kind in the South, and one that has few if any superior. in its line of work anywhere in the United

These works, as they now stand and as they appear in the accompanying cut, are entirely new throughout. Their construction was commenced in the latter part of 1883 and vigorously pushed, the boiler and sheet iron shops having been built and equipped during the last eight or ten months, ground occupied by these works extends 300 feet north and south by 400 feet east and west, and is entirely surrounded by streets 80 feet wide. In the erection of these buildings over 5,000,000 brick were used, besides an immense amount of lumber and cast and wrought iron. Railroad tracks run through

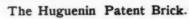
of the main building are all of iron, on the first floor, and so constructed that they can be readily used for swinging derricks. machine shop has traveling cranes for the convenient handling of heavy material. All the buildings have fire-proof roofs, and, while they are not constructed for ornamental purposes, a considerable amount has been expened to make them attractive to the eve. No pains have been spared to have the us departments well-lighted, well-ventilated and easily warmed in winter, so that the greatest comfort can be given employes. The works are provided with a special raiload track, directly connected with the Kanas City Railroad, which diverges as soon as it leaves the main building, connecting with the foundry on one side and on the other with the warehouse. The main building is provided with an elevator, by which easy access may be had to all three stories. varehouse also has an elevator. In the foundry there are three cupolas, one with a melting capacity of six tons per hour, one of three tons capacity for the same time, and a smaller one for smelting brass and for the grounds and also through the main build- making a better class of light work. The

shears, punch, planer, bending rolls and hydraulic crane, and Tweddle's English patent and English make hydraulic riveter, with hydraulic pump and accumulator; also a traveling crane for the steam machinery use, together with a complete set of tools for sheet-iron work.

In the wood-working department will be found surface, dimension and pony planers; cut-off, rip, shaping, jig and band saws; mortising and tenuniversal wood-workers, oning machines, wood lathes and numerous special machines covered by patents for special use in building cotton gins and wood pulleys, together with all the machinery, tools and appurtenances of a well appointed pattern shop.

A railroad track enters the works through the main building, with side tracks running to the foundry and boiler shops, All iron and coke for foundry is unloaded from the cars at the cupolas; boiler iron is unloaded at the shears, the first machine used in building boilers; lumber and coal are all unloaded where they are wanted for use or to be stored.

The Milburn Gin & Machine Company



T. A. Huguenin, of Charleston, S. C., has issued a circular describing his patent bricks, from which we take the following:

"It is further claimed by me that the bricks can be manufactured at any place where clay is found suitable for making good bricks. The expense of transportation is thus avoided. The price of bricks suitable for this purpose in this market is \$8.50 per thousand. Coal-tar \$2 per barrel, pinegum \$2 per 286 pounds, bitumen \$50 per ton and alum \$3 per 100 pounds. At these prices the bricks can be prepared and laid at a cost of \$1.75 per square yard. I presume the above prices will not vary much at any city in the United States, and consequently a durable, comparatively noiseless roadway, free from dust and impervious to water, which will not become slippery, can be laid for less money than either stone, asphalt or wood.

The undersigned claims that he has simply imitated nature. It is admitted by every one that the best roadway for all purposes is a hard clay road. This road has two

serious drawbacks-it is dusty in dry weather and boggy in wet. These bricks are nothing more than a clay road prepared in such a manner as to be free from dust and always dry and hard. These bricks will stand the variation of climate, and will neither crack nor melt." Mr. James G. Holmes, Holliday street and Exchange Place, Baltimore, is agent for these bricks.

Expecting Better Business.

In reply to our inquiry regarding the condition of business, the head of one of the largest and most influential machinery establishments in the country said in our office a day or two since, that he thought favorably enough of the present business situation and outlook to feel hopeful of a gradual revival of business during this year. Believing that materials are not likely to go lower, his firm has reached the conclusion that it will now be safe and prudent to begin making up, somewhat in advance of the present demand, a moderate stock of such of their machinery

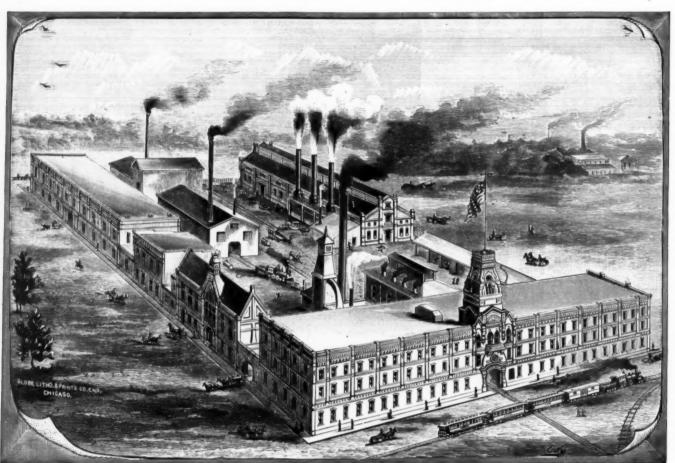
and tools as are reasonably staple.-American Machinist.

THE machinery for the use of the Pennsylvania Lumber Company will begin to arrive at Webster depot next week. The company propose to expend \$40,000 in the construction of a boom across the Tuckaseegee, at the mouth of Scott's creek, the wildness of the stream in high water making that expenditure necessary.—Citizen, Asheville, N. C.

БНЕ ШАРКЕЛS.

Office Manufacturers' Record, A Baltimore, May 19, 1885.

Within the last week or ten days there have been rather more indications of an improvement in business than for some time past, and a few large enterprises that had been closed for a long time have lately started up. There is still, however, only a moderate activity in trade and industrial matters. While almost every condition is favorable for a return of better times, it would be folly for anyone, after the failure of so many predictions by so many authori-



THE MILBURN GIN AND MACHINE COMPANY.

ing, thus affording the most complete facilities for receiving the raw material, iron, lumber, coal, &c., and for shipping the finished product.

The buildings are a machine and woodworking shop, fronting on Fifth street, and following Broadway toward the east, 69x300 feet, three stories high, the first of which is eighteen feet, the second fourteen and the The railroads pass into the third ten feet. works through folding doors in the middle of this building. The foundry is 65x155 feet, fronting on North Broadway. The office is 24x60 feet, two stories high, fronting on South Broadway, and has a vault in each story for the safe-keeping of valuable papers, drawings, books, plans, etc. The paint-shop is 44x64 feet, two stories, fronting on South Broadway, and the warehouse 60x180 feet. also two stories, and facing South Broadway. The blacksmith-shop is on the interior of the lot, 44x64 feet, as also the engine and boiler-house, 30x45 feet. These buildings are all of brick, with extra heavy walls, the first stories of all laid in cement mortar and the foundations in the best cement. Every course of brick is grouted. The posts

foundry is provided with cranes-two fortyfoot and one thirty-foot.

There are four special departments machine shop, including blacksmith shop, foundry, boiler works, and wood-working shop, including paint shop. The floor space is 108,000 feet.

The machine shop is supplied with modern special tools, such as horizontal boring mill, radial drill, milling machine, slotting machine, boring mill, iron pulley lathe and borer, improved lathes, planers and gear cutter, a full line of iron-working machines and tools, traveling crane, gib cranes, and in fact all the tools, machinery and equipments necessary for a first-class shop. The blacksmith department is fully equipped for all classes of work. The foundry is said to be second to none in the country in appointments, with large and small cupolas, brass furnace and powerful cranes. This company can make iron castings from 30 tons to the smallest in use, and can also fill any ordinary order for brass castings.

The boiler works are capacious, splendidly lighted and convenient, and are equipped with the Niles Tool Works steam power

manufacture cotton gins, cotton gin selffeeders, cotton gin condensers, cotton cleaners, cotton presses and all kinds of ginwright material, steam engines, horse-p mill machinery, including hydraulic presses, heaters, crushing rolls, screens, hullers, shakers, pumps, linters, cake breakers, meal mills, &c.; machinery supplies, such as shafting, pulleys, couplings, &c.; also architectural, plantation, railroad and steamboat work. A new catalogue, handsomely illustrated, will be sent upon application.

Oil Machinery.

The attention of those persons needing oil machinery is called to the card of A. B. Lawther, on page 471, this issue. Mr. Lawther has six Taylor presses and preparing machinery, all in good order, and which may be had at a sacrifice. His address is 118 and 120 N. Market street, Chicago, Ill.

If you are not already a subscriber to the BALTIMORE MANUFACTURERS' RECORD, send us \$3 and you will receive it regularly for one year, or six months for \$1.50.

ties during the last few years, to venture any opinions as to the prospects for business in the near future.

There is rather more doing in manufactured iron, and the prospects are considered favorable for an improvement in this branch of trade. We quote nominally as before, viz:

Ref. Bar Iron, 1 to 6x36 to 1	m.	13/4	1.80
" " I to 4 1/2 x1 1/2 to 1	41	1140	1.8c
" " 16 to 2, round and square	44	1%@	x.8c
Hoop Iron, 11/2 wide and upward	44	21/0	
Band Iron, from 11/2 to 6 in, wide	00	2346	21/2C
Horseshoe Iron	44	23/4@	3 C
Norway Nail Rods	44	5 @	5% C
Black Diamond Cast Steel	44	9 @	10 C
Machinery Steel	44	33600	436C
Spring Steel	40	33/40	4 0
Common Horse Nails	48	8 @	9 0
Railroad Spikes, 51/29-16	41	: (3)	236€
Perkins Horse Nails	keg	. 8	3.72 1/2
Mule Nails	**	9	4.721/2

In pig iron the local market shows no change, and business continues limited at former prices, viz:

Baltimore																										
Baltimore	ore).		۰														۰	۰				g	28	00(4)29	00
Virginia C	B. (.h	ıa	ır	c	0	a	1	١	N	ł	16	'n	1)	-	0	n					1	28	00@29	00
Anthracite,	No.	1				0 1							,					0		,	۰	0		19	00(020	00
**	66	2				0.0					0							۰		۰				17	00@18	00
80	44	3									٠						a	۰	۰	۰				15	00@16	60
**	Mo	at	ŀ	ec	ì	a	m	d		V	V	h	ė	te						٠				13	00@14	00

HARDWARE,

The improvement noted in our last issue continues, and sales of hardware are moderately liberal. Not only are season goods in better request, but general hardware shows an increased demand. Prices continue low and unremunerative, showing no change during the week.

Nails meet with only a fair enquiry, and are selling at \$2.00 to \$2.20, according to quality.

Philadelphia Iron Market.

PHILADELPHIA, PA., May 18, 1885.

To-day's inquiries show the possibility of a little improvement in demand during the week. There is an intimate relationship between the Eastern and Western Pennsylvania markets just now. Judging from the action of consumers, they think there will be no lockout, at least, that the lockout will not be prolonged. Otherwise they would be buying up finished irons and placing orders for plates, and sheets, and iron specialties, but instead of doing that they are doing nothing, and waiting to see what will happen. A few days will determine the course of the trade. The manufacturers, according to private advices here, are determined to force a lockout, unless a very moderate reduction is agreed to. As to prices here there is scarcely any change over those given last week. The Southern iron men have been disappointed in the action of the railway companies. The representatives of some furnaces have been making every possible effort to place contracts here, but their efforts have been arrested by the advance of freights, amounting to about 50 cents per ton. This will, of course, allow the Pennsylvania irons affected a little wider margin. The average prices still run from \$14 to \$15.50 for forge, and \$16 to \$18 for the various kinds of foundry offered. Some furnace companies are very anxious for summer and fall contracts, and have made some very low offers within two weeks. Some of these offers will likely be accepted in view of the advance in Southern freights, which cuts out Southern iron more or less. There is a good deal of Virginia iron selling for summer delivery. The bar mills of this State have less orders on hand than they have had for a very long time. They naturally anticipate some improvement from the Western lockout. The Eastern Nail Association meets on Thursday of next week. From expressions made to-day by representatives of nail men, there will be a harmonious meeting. There is still a heavy consumption of nails, but it must be admitted the production is still a little ahead of the demand. Plate and bridge iron are meeting with a mod-

no rush of orders, and no probability of such a demand as will strengthen prices. The rail men are rather reticent this week as to some rumored transactions which put prices in the neighborhood of \$26. The lowest quotations admitted are \$27. Old rails are wanted at \$17 to \$17.50. The advantage is with buyers. The arrivals of pig iron for the past week are 1,200 tons; ore, 8,000 tons, besides a little increased importation of steel plates.

Cincinnati Iron Market Report

Specially reported by Rogers, Brown & Co., Pig Iron Commission.

CINCINNATI, May 18, 1885.

Another uneventful week is to be recorded. Heavy shipments are going forward on old orders, but new business is very light. A comparison with the same period last year, however, shows that the volume of orders is quite as large as it was then. There is nothing at all doing in mill iron, Southern furnaces having none to sell practically, and the rolling mills holding everything off pending the strike, which is now generally expected June 1st. Foundries are ordering in car-load lots, waiting for the years' business to more fully develop. A month of very quiet trade is generally looked for. We quote for cash f. o. b. cars at Cincinnati:

				TAO.	20.0	3.5	500010	oo
64	44	94	66	No.	3	14	50@15	00
Ohio Sofi	Stonecoa	d.					00@17	
44 44		.,					5000-	
Mahonin	g and Sh	enango	Vall				200	
	1						25@17	75
	C	HARCO	AL IN	ON.				
Hanging	Rock,	1	No. I			\$20	00@21	00
**	66						00@20	
Tennesse	e and Ala	bama,	No. 1			18	00@10	00
41		16	No. 2			17	00@18	00
		1	FORGI	E.				
	eutral Co							
	44 6							
Cold Sho	rt					13	25@-	-
	CAR WI	HEEL A	ND M	ALLE	ABL	E.		
Southern	Car-Whe	el Iron				22	00@24	00
	Rock C.							
	" W.							
	perior Mal							

HOT-BLAST POUNDRY.

Ohio and Southern Strong Coke No. 1..\$16 50@17 00

Specially reported by E. L. HARPER & Co. CINCINNATI, May 18, 1885.

The market is without any distinctive feature worthy of mention. In foundry grades trade is fair. Mill irons, in view of the possible strike, are neglected, though the supply is not excessive and prices are quite well sustained. We quote as the prices current:

FOUNDRY.

Hanging Rock Ch	arcoal, No.		
67 65	41 41	2	18 50(1)19 50
Strong Neutral Co	ke, "	1	16 50@17 00
66 66 6		2	15 25@16 00
American Scotch,	44		16 00@16 50
	GRBY FO	RGE.	
Neutral Coke			14 00@14 50
Cold Short		*****	14 00@14 50
CAR W	HEEL AND	MALLEABLE	
Hansing Book at			

Hanging Rock, strictly cold blast.... 25 "" warm " 21 Lake Superior Charcoal, all grades... 21 South. Car Wheel, strictly cold blast... 21 Amherst and Virginia Warm Blast... 19

Louisville Iron Market.

Specially reported by W. B, BRLKNAP & Co., Nails, Wire, Iron, Hardware, Carriage and Wagon Goods. LOUISVILLE, KY., May 16, 1885.

The all absorbing topic now, as it has been for several years past just at this season, is the June strike. Associated press despatches and individual circulars are utilized to fan, if possible, the buyers' doubt into a flame of apprehension. The effort is not as successful as usual this year, owing to a widespread belief that the strength of the Amalgamated Association was seriously impaired, and that as year by year the manufacturers' interests become more specialized, so it is the more difficult to obtain united action.

Bars are somewhat more active, as they always are when the mills retire from the contest for orders, and refuse to book ahead, Hoops and sheet are quiet.

Nails are again much depressed, so much so indeed, that another reaction is not imerate demand, but there seems to be probable. Steel nails, owing to limited

supply, have held their own with wonderful The closing down of Bellaire firmness. will go to help this.

Wire.-Demand is fair for both plain and barbed, but there is little new to report. General trade is improving slightly as the country begins to realize some cash from the early fruit crop.

pecially reported by Gmo, H. HULL & Co., Com-mission Merchants for the sale of Hot and Cold Blast Pig Iron.

LOUISVILLE, KV., May 18, 1885.

The market for pig iron for the past week differs from the week before only in there being no speculative inquiry. No. 2 and 25/2 Foundry are grades of which there is the most stock. Of No. 1 Foundry there is a small stock: of No. 1 and Mill there is none offered. Sales made are generally at inside figures, but any efforts on the part of buyers to get concessions below these figures are unsuccessful. The indications are that furnaces are as low as they will go. We quote for cash in round lots as below:

PIG IRON,			
Southern Coke, No. 1 Foundry			
Hanging Rock Coke, No. 1 Foundry	. 16	00@16	50
Southern Charcoal, No. 1 Foundry	. 18	00@10	00
Southern Coke, No. 1 Mill, Neutral	. 13	75(014	25
" " Cold Short	. 13	25(013	75
Southern Charcoal, No. 1 Mill	. 16	00(8)17	50
Southern Car Wheel, standard brands	. 25	00@26	00
Hanging Rock Cold Blast Warm "	. 24	00(8)25	00

Chattanooga Iron Market.

Specially reported by S. B. Lows.

CHATTANOOGA, TENN., May 18, 1885

Trade in all lines for the past week has been inactive, and sales have been confined to the wants of consumers, as their demands from day to day require. The farmers are all busy, as the season is late, and heavy work is required to bring the crops forward. Our manufactories are all running full, being well supplied with orders for several month ahead. There is no change to note in pig iron; round lots are being sold for the Western, Northern and Eastern markets, and the Southern foundries are taking their usual supply. For the present we continue quotations, viz:

No. 1 Foundry	4 50 6015 50
No. 2 Foundry 1	3 50 @14 50
	3 50 @14 00
	2 50 (@13 00
Car-Wheel Iron 8	3 00 @24 00
	1 50 @ 8 85
Furnace Coke	8 00 (6) 8 50
	@ 2 25
	@ 1 75
	@16 00
Old Wheels	@13 50
Wrought Scrap, No. 1	0
Wrought Scrap, No. 1	
Cotton Tie Clippings	0
Cast Scrap	0
	1 75
	2 00 @
Barbed wire-four point galvanized	@
Barb wire-Cambria link	05 (0) 05%

St. Louis Iron Market.

Specially reported by W. H. SHIELDS, Pig Iron and Iron Ore, No. 318 Olive Street. St. Louis, May 18, 1885.

This market remains quiet, and few sales are being made, although iron is being offered at very low prices-from 25 to 50 cents per ton lower than the market. Out of 20 stacks in this district but 3 are blowing. We quote:

Missouri	16	00@17	50
		00(4)10	
Ohio	_	-@-	-
COKE AND COAL,			
Missouri	16	00(0)17	50
Southern	16	00@18	00
Ohio	19	00@30	00
MILL IRONS.			
Red Short	15	00@15	50
Neutral	15	00@15	50
CAR-WHEEL AND MALLEABLE II	to	C.	
Missouri	16	00@18	00
Southern	24	00@26	00
Ohio	24	00@26	00
MISCELLANEOUS.			
Southern Coke Mill			
Missouri Charcool	9.4	0000000	EC.

Iron, par.

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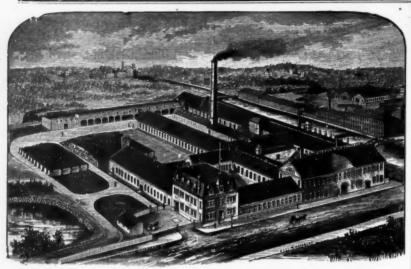
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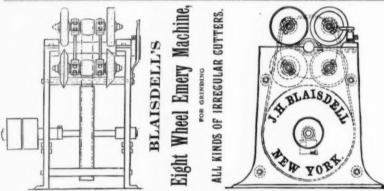
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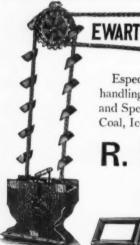
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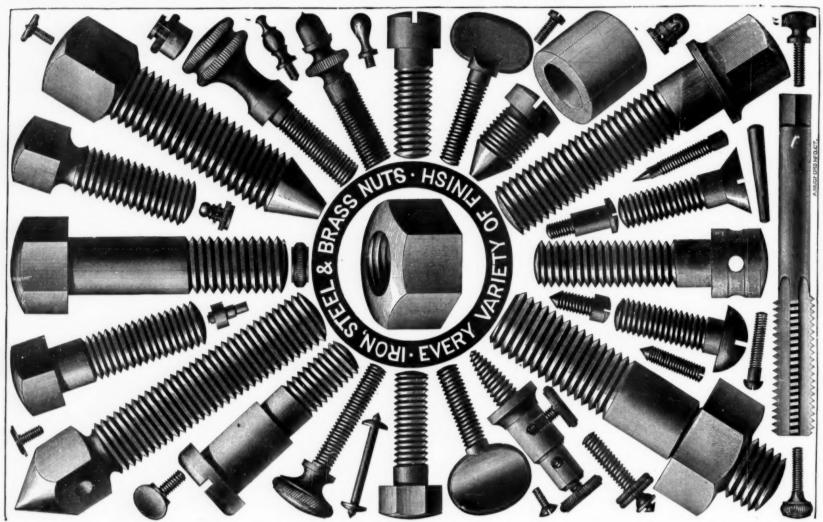
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-Sheldon & Co., iron
Spring Balances
Hand, Globe (Cone's Patent dis 25&10 5 Gong, Abbe's dis 20&10 5 Gong, Abbe's dis 20&10 5 Gong, Barton's dis 30&10 5 Gong, Barton's dis 30&10 5 Leon Reading dis 25&10 6 Crank, Taylor's dis 25&10 5 Crank, Taylor's dis 25&10 5 Ever, Sargent's dis 25&10 5 Bloomfield dis 20 5 Lever, Sargent's dis 25&10 6 Cow, Common Wrought dis 25&10 6 Cow, Common Wrought dis 25&10 5 Cow, Western, Sargent's List dis 25&10 5 Cow, Western, Sargent's List dis 25&10 5 Cow, Western, Sargent's List dis 25&10 5 Cow, Money's or Dodge's, Genuine Ky, new list: Nos. o 1 1/2 2 3 5 6 Hog dis 60 8 \$12 \$10 5 9 \$8 \$7 \$4 \$3.50 \$1.50 \$5 10 \$ Cow, Texas "Star" dis 40 \$ BBLLOWS. BBLLOWS.
Hand Bellowsdis 25 %
Francis
Barbed, ½ in. and larger
Penfield Block Co., Rope and Iron Strap'ddis 40 %
Cast Iron Barrel Shutter &c dis as front
Cast Iron Chain (Sargent's list). dis 60&10 growth the Color of the Co
Noway dis 75 % R. B. & W. Carriage (old list) dis 65 % Tire, American Screw Co's., Phila dis 80 % Tire, "Bay State" dis 70 % new list Eagle Philadelphia Tire Bolt dis 82 % Stove dis 60 % Plow dis 80 % Of the Plow dis 80
Machinedis 70 % Bolt Ends and Lag Screwsdis 70 % BURAN. 13C % D net.
Q. S. Backus
Q. S. Backus. dis 50 ≤ Barber's. dis 4085 ≤ Spoffard's Patent dis 50 ≤ Common Ball (American) dis 50 ≤ Common Ball (American) dis 55 ≤ Moidon's. dis 50 ≤ Doring Machines—without Augers.
Sweet & Clark upright, 3.60 angular
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	BALTIMORE MANUF.	ACTURERS' RECORD.	467
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gle and Vulcan	Cast Brass, Loose Jointdis 10&10 % Fast Joint, Narrow	Fitch's new list dis so \$	Jap'd Store Door Handles—Nuts, \$1.25; Plate, \$2. no Plate, \$1.10
enton	Loose Joint dis fockrockro % Loose Joint, Japanned dis fockrockro % Loose Joint, Japanned dis fockrockro % Loose Joint, Japanned dis fockrockro % Parliament Butts dis fockrockro %	Hotchkiss, Novelty, new list, July, 1880dis 25 % Hotchkiss, Excelsior Superior Championdis 25 % Lawrence, "Perfect"dis 25&10 ≸	Wrought Chest dis 65&1 Surface Chest dis 55&1 Flush Chest dis 55&1
nn. Valley Mfg. Co	Parliament Butts	Rubber	Lifting
	Lose Pin, Acorns	Silvered Glassnet White Enamelnet	Hammer and Hatchet dis : Brad Awl
tent Solid Headdis 25 % ssell Jennings' Auger, Dowell, Machine- Dowel and Hand Rail Bitsdis 10&10&10 % 15' "Jennings" Bits	Loose Pin, Acorns, Jap'd, Plated Tips	Association (Table)	Auger, large, pgross
pansive Bits, Clark's small, \$18; large, 26. dis 25 % pansive Bits, Ives'\$20@30, dis 33½ % pansive Bits Blake's\$20 dis 40 %	Fast Joint, Lt. Narrow	Excelsior Knife Co	Patent Auger, Douglass'
llow Augers, Ives'dis 25 %	Table Butts, Back Flaps, &cdis 60&10 \$ Inside Blind, Regulardis 60&10 \$ Inside Blind, Lightdis 60&10 \$	Ames' Shoe Knives	White Mountain, per dos
al. Aug., Bonney's Adjust., & doz \$48, dis 25&10 \$51. Aug., Stearns' Adjust., & doz \$48, dis 20&10 \$61. Aug., Ives' Expansive, each \$4.50, dis 20&10 \$61. Aug., Universal Expansive, each \$4.50, dis 20 \$61. Aug., Universal	Loose Pin, Wrt	Leatherdis 25 % Brass	Barn Door, old patterns
	Spring Hinges— Geer's Spring and Blank Buttsdis 25 % Clarke Hardware Co'sdis 50&10 %	Torrey's Rod, regular size, & dez., \$3dis 40&10 & Gem (Coil);	Warner's
mlet Bits. \$7.50 \(\) gross, dis 50 \(\) mlet Bits, Diamond \(\) \(\) doz \(\) \$1.25, dis 40 \(\) uble Cut Gimlet Bits, Douglass \(\) \(\) dis 33\(\) \(\) uble Cut Gimlet Bits, Douglass \(\) \(\) dis 50 \(\) \(\) uble Cut Gimlet Bits, Ives \(\) \(\) dis 50 \(\) \(American Spring Hinge Co's. dis 25 % Gem Spring Hinges. dis 25 % Blind Butts, Shepard's, Nos. 50 and 60. dis 70 % Blind Butts, Shepard's, No. 030. dis 708 5 % Blind Butts, Shepard's No. 75. dis 708 10 % No. 75. dis 708 10 %	No. 1, Large Japanned % doz \$4.00 No. 2, Medium Japanned % doz 2.75 dis 40 % No. 3, Small Japanned % doz 2.00	Underhill's
orse's Bit Stock Drill		No. 3, Small Japanned doz 2.00 No. 4, ("Shoo Fly") Screen door size, 1.50 No. 5, Screen door size. 2.00 No. 6, Medium	Shingling, Nos. 1 2 3
wing Brass Ferrule\$3.50 % gross—dis 40&10 % tent Sewing. Short\$10 % gross—dis 40&10 %	Blind Butts, Huffer	No. 7 Large	Hunt's dis
tent Sewing, Long	BOW FINS. Humason, Beckley & Co's	Hercules	Russel's, low listdis Cohoes Bench Broad Adzes
AWLS, BRAD SETS, &C. rls, Sewing, Common	Hotchkiss	Crossman's No. 1	"Lightning"
ds, Patent Peg	Bradley's	Rradley S	Plate Hinges 18,10&12 in
195, Snouldered brad, # gross \$2.70—dis 25&10 % 195, Handled Brad \$7 % gross—dis 25&10 % 104 Sets, Aiken's \$7 % gross—dis 25&10 % 105 do Sets, No. 42, \$10.50; No. 43, \$12.50 dis 70 % 105 do Sets, Stanley's Exc., No. 1, \$9.60. dis 30&10 % 105 do Sets, Stanley's Exc., No. 2, \$4, 80. dis 30&10 % 105 do Sets, Stanley's Exc., No. 3, \$7.80. dis 30&10 %	\$16.50 19.00 21.50 24.00 27.00 30.00 33.50 36.50 CAN OPENERS. American	Blacksmiths'	and Strap. (14 to 36 in
ad Sets, Stanley's Exc.' No. 2, \$4,80. dis 30&10 \$\% ad Sets, Stanley's Exc.' No. 3, \$7.80. dis 30&10 \$\% AXES.	New Idea	Breast P S & Wdis 20% to \$	doors, double action, dis 55 %. Crown Screen Door Latch
llins & Co	No. 5, Iron Handle	Breast, Wilson's dis 20 %	doz \$6; 3-inch, \$12
gle Bit, 4½ to 5½ and under A doz. \$6.50 net ligle Bit, 4½ to 6 and over A doz. \$7.00 net		Dover	A. M. Co. Clothes Wringer, No. 2 rolls,
gle Bit, beveled5oc. doz. advance uble Bit, 4½ to 5½ and under A doz. \$12.00 net uble Bit, 4½ to 6 and over A doz. \$13.00 net	CAPS, FERCUSSION, \$\mathbb{P}\$ 1,000. U. M. C., F. C. trimmed	Medalliongross, \$10.00 Victoriagross, \$10.00 EMERY AND EMERY PAPER.	10x14, № doz \$37.50; No. 2½ rolls, dis 12x14, \$48
uble Bit, beveled	G. D. & S. B	Regular numbers	Screw Hook and Eye 14 in. & up. \$6 \$1 too lb.
eldon & Co., iron55% off	Hicks Ground Edge in Brass Boxes55c	B, & A. Emery Paper	Wrought Strap & T list, Dec. 20, '77, dis 60& rol
ing Balancesdis 40 %	Rim	Sauce Pans	Planters
nd, Light Brassdis 75 ≸ nd, White Metal	B. B. Caps, Round Halls	Door LockSame discounts as Door Locks Brass Thread	Socket Pat Solid C. S. Planters' dis 508 Hick's Pat Solid C. S. Planters' dis 608
nd, Silver Chime	Rim-fire, 22 short. \$ 5 long. \$ 6.00 " 32 " 10" 15.50 " 38 " 18 " 18.00 Central Fire—32, \$11.00; 36, \$13.50; 41, \$15.00; 44, \$19.	Wood	Hick's Pat. Solid C. S. Scovill Pattern dis 608 Hubbard, Bakewell & Co dis 508
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ll, Brook's	Horse and Curry, new list, July, 1881	West's Patent Key	Finish'd # lb. 31c 28c 26c 25c 24c 23cdis 208 Clint'n,P'n, " 23c 21c 20c 19c 18cdis 208 Clint'n, Fin'd " 24c 22c 21c 20c 19cdis 208
omfield	CAMPET STRETCHERS. Cast Steel, Polished	Cork Lined	Essex, a b31c 28c 26c 25c 24c 23c.dis Putnam "27c 24c 22c 21c 20c 19cdis 58 Saranac "26c 23c 21c 20c 19c 18cdis
w, Common Wroughtdis 55&10 %	Bullard'sdis 25 %	F. M. Boynton'snew list, dis 25 %	N'thw'n "26c 23c 21c 20c 19c 18cdis 10
w, Kentucky, Sargent's Listdis 53&10 \$\frac{1}{2}\$ w, Kentucky, Sargent's Listdis 53&10 \$\frac{1}{2}\$ w, Moore's or Dodge's, Genuine Ky., new list: s.o 1 1½ 2 5 5 6 Hog 1 dis. 60 & \$\frac{1}{2}\$	Bed	Western File Co	Champlain Forged & th31c 28c 26c 25c 24c 23c.dis 30f A. C., & th28 25 23 22 21 21.dis 10,10
BELLOWS.	Martin's Patent (Phoenix)dis 25 % CATTLE LEADERS. Humason, Beckley & Co'sdis 60&10 ≸	H. Disston & Sons (new list)dis 40 ≸ Heller Bros.' Horse Raspsdis 30&10 ≸ Nicholsondis 50&10 ≸	C. B
cksmith's Common	Sargent'sdis 60&10 % P. S. & Wdis 25&10 %	New American dis 50&10 € Union File Co. dis 45 € Stubs, new list. \$7.50 to £, 25 € off	New Haven31c 28c 26c 25c 24c 23c.dis 30l Capewell31c 26c 26c 25c 24c 23c.dis 20l HONSE SHORS.
BLIND PASTENERS. dis 20 % ckrell's	CHAIN. German Halter and coil Chain	Knox, 4½-inch Rolls\$3.50 each \ Knox, 6-inch Rolls\$4.00 each \	Burden
n Sand's Screw Pattern	Jack Chain, Irondis 60&10 %	Knox, 8-inch	Light, Medium and Heavy
merman's, 10½ in	Jack Chain, Brassdis 50&10 % CHALK. White	Crown . Win to so, 6 to so, 8 th so each die as #	Horse Pakeg \$\frac{1}{2}\text{Mule.} \text{Pakeg \$\frac{1}{2}\text{Bryden Forg'd Heel & Toe Horse Shoes, \$\frac{1}{2}\text{75}\text{Pake} \text{Shoes, \$\frac{1}
bed, 1/2 in. and larger 18 fb 11c net	Red	Crown, 422-in., 35.30, 0, 94.00 s; 36.00 cachdis 35 % Crown jewell	Bryden Steel Mule Shoes, \$6.75 % kegd Diamond State Horse Shoes\$3.70
BLOCKS.	COTTON LINES. Cotton Fish Lines	Crown Hand Fluter, Nos. 1, \$15; 2, \$12.50; 3, \$10,50; 4, \$8.25 ₱ doz	Diamond State Mule Shoes
t Iron Barrel Shutter, &cdis 55&20 \$ t Iron Chain (Sargent's list)dis 60&20 \$	Nos. 11, 13, 15, 17, 20, dis 33½ % 3.20. 3.60. 4.00. 4.50. 5.25. dis 33½ %	PORES. Lawson & Brenizer	Peerless—3 quart, \$4.50; 4 quart, \$5.50; 6 quart 8 quart, \$9; 10 quart, \$18. The Grooch P.
ought Barreldis 55&10 %	CHISELS. Socket Framing, Crossman	Sheble & Fisherdis 50&10 \$ FRY PANS. Burnished list as followsdis 60&10&10 \$	"Giant"—14 quart, \$20; 18 quart, \$25; 21 q \$30; 25 quart, \$35; 32 quart, \$40; 42 quart, Discount 50 %.
t. Shutter, Brass Knob, Stanley's listdis 50&10 \$	Socket Framing, Douglass' dis 70&10 \$ Socket Firmers, Crossman dis 65&5 \$ Socket Firmers, Ohio Tool Co dis 60&10 \$	No0 1 2 3 4 5 6 7 8 % doz\$3.00 3.75 4.95 4.70 5.95 6.00 7.00 8.00 9.00 GAUGES.	American—2 quart, \$2.75; 3 quart, \$3.85; 4 quart, \$3.75; 6 quart, \$5 eachdis Crown, single action, a quart, \$3.75; 3 quart,
ought Sunk Flush, Stanley'sdis 40&10 % ought B. K. Flush, Stanley'sdis 50&10 % riage and Tire, Common, new listdis 75 %	Socket Firmers, Douglass'dis 70&10 \$	Marking, Stanley's	\$4.50; 4 quart, \$5.50; 6 quart, \$7; 8 quart, \$9; 10 quart, \$11; 14 quart, \$14
riage and Tire, Philadelphia Patterndis 50 %	Tanged Firmers	Wire, Disston'sdis 20 ≤ Wire, Wheeler, Madden & Codis 10 ≤ GIMLETS.	\$10.50; 10 quart, \$13; 14 quart, \$16.50; 18 quart, \$21; 24 quart, \$25. With fly wheel, 8 quart, \$13; 10 quart, \$16; 14 quart, \$20;
e. American Screw Co's., Philadis 80 %	Iron, Screw, Eagledis 50 % Iron, Adjustable, Stearns'dis 20% 10 %	Nail and Spikedis 40 % "Eureka" Gimletsdis 50 %	18 quart, \$25; 24 quart, \$30; 32 quart,
e, "Bay State"dis 70 % new list the Philadelphia Tire Boltdis 82½ %	Iron, Cabinet, Sargent's	"Diamond" Gimlets	Star, double action, 2 quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50: 6 quart, \$7; 8 quart, \$9; 10 quart, \$11; 14 quart, \$14
wdis 50&10 % chine	Norway or Best dis 60&5 % Superior dis 45&5 % Conestogo dis 60&10 %	Double Cut, Ives'	Gem, double action, 2 quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7; 8 quart, \$9; 10 quart, \$11; 14 quart, \$14,dis
BURAN.	Coal Hods—Griffiths'dis 40 %	GLUE POTS. Tinned and Enameled	Crown Ice Chipper
5. Backus	Racking, new list, July 10, 1880dis 50&10 \$ Globe, new list, July 10, 1880dis 50&10 \$ Plain Bibbs, new list, July 10, 1880dis 50&10 \$	GRINDSTONE FIXTURES.	Base—Commondis 308 Hemacite Door Knobsnew list, dis 35
amon Ball (American)dis 50 \$	Ale and Beer, new list, July 10, 1880 dis 50&10 \$ COFFEE MILLS. Parker's	Sargent's Patent	Door Mineral Door Por. Jap'd Door Por. Plated. Same discounts as Door Lo
BORING MACHINES—WITHOUT AUGRES	Wilson's	Eley's B. E. wads, 11 upwards	Door Por
	mitter prise milg. Codis 25 \$	" P. E. " 11 upwards 2.90	Picture
bard " 3.00 "3.50 net	Compassesdis 55 %	## ## 9 and 10. 3.65 ## 7 # 8 4.45 Maydole's dis 15 \$ Hammers. dis 15 \$ Harford Hammer Co. dis 25 \$	Chusten Boncelain die roft

4	ACTURERS' RECORD.	
	COOPERS TOOLS. dis 15@20 % Barton's dis 20 % CROW BARS. Display Display	M W K
	Cast Steel	N P R B
	Fitch's new list	B W Si F L Si L
	Silvered Glass	H B C A A P P P
* * * * * * * * * * * * * * * * * * * *	Embossed Gilt	BBCWR
******************	No. 1, Large Japanned \$\(\text{Mor } \gamma_{\text{9.00}} \) \(\text{dis } \q \sqrt{\text{5}} \) \(\text{No. 3, Small Japanned } \gamma_{\text{9.00}} \) \(\text{doz } \gamma_{\text{7.5}} \) \(\text{No. 3, Small Japanned } \gamma_{\text{9.00}} \) \(\text{No. 4, ("Shoo Fly") Screen door size, 1.50} \) \(\text{No. 5, Screen door size } \q \q \text{2.00} \) \(\text{No. 6, Medium } \q \q \gamma_{\text{2.75}} \) \(\text{No. 7, Large } \q \q \text{4.00} \) \(\text{Standard10 doz } \gamma_{\text{1.25; 9}} \) \(\text{doz } \gamma_{\text{3.75}} \) \(\text{dis } \gamma_{\text{50}} \text{to } \gamma_{\text{50}} \) \(\text{40z } \gamma_{\text{3.75}} \) \(\text{dis } \gamma_{\text{50}} \text{to } \gamma_{\text{50}} \) \(\text{40z } \gamma_{\text{3.75}} \) \(\text{dis } \gamma_{\text{50}} \text{to } \gamma_{\text{50}} \) \(\text{40z } \gamma_{\text{3.75}} \) \(\text{dis } \gamma_{\text{50}} \text{to } \gamma_{\text{50}} \) \(\text{40z } \gamma_{\text{3.75}} \) \(\text{dis } \gamma_{\text{50}} \text{to } \gamma_{\text{50}} \) \(\text{40z } \gamma_{\text{50}} \gamma_{5	CHRICLIN
	Ohio Tool Co. dis 60810 % Crossman's No. 1 dis 6585 % Nobles Mfg. Co. dis 15 % Bradley's dis 35 % Adjustable Handle dis 20 % P. S. W dis 708 to % Douglass dis 708 to %	W P
	Blacksmiths	CCCBA
	Dover	A
	Regular numbers	Se
	Sauce Pans. dis 40 % Tinned Sauce Pans dis 40 % Escutcheon Pins—Brass dis 50 %	PRS
	Door Lock	HHH
	Star dis 55%10 % Frary's Patent Petroleum dis 20%10 % West's Patent Key dis 45 % Anchor Lock dis 45 % Anchor Lock dis 45 % Metallic Key Leather Lined dis 60 % Cork Lined dis 70 % J. Sommer's Best Metallic Key dis 40 % J. Sommer's Cork Lined stagulatity dis 50 % J. Sommer's Cork Lined stagulatity di	A CCEPSG
	E. M. Boynton's	NC AC BNC
	E. M. Boynton's	Bi R M W Bi D D D D D D D D D D D D D D D D D D
	Remington	P
	FRY PANS. Burnished list as follows	A
	Marking, Stanley's .dis 50&10 € Marking, Chapin's .dis 55&10 € Wire .dis 10&10 € Wire, Disston's .dis 20 €	Ci
The second secon	Wire, Wheeler, Madden & Co. dis 10 % GIMLETS. Nail and Spike. dis 40 % "Eureka" Gimlets. dis 50 % "Diamond" Gimlets. dis 50 % Double Cut, Shepardaon's. dis 50 % Double Cut, Hartwell's. dis 50 % Double Cut, Ives dis 50 % Double Cut, Ives dis 50 % Touble Cut, Douglass' dis 33 % "Reel". Ref. 512.00, dis 25 % GLUE POTS.	Si
	Tinned and Enameled	Ca Ba He
	Sargent's Patent	Do Do Do Fo
	" P. E. " 11 upwards	Pi Ho Sh

	Magn'c Tack, Nos. 1,2,3, 1.26,1.50 and 1.75. disa5&tof.	
	Kip's or Selsor's	
	Magn'c Tack, Nos. 1,2,3,1.26,1.50 and 1.75.disss&toß Warner & Noble's	
	Barn Door \$\frac{1}{2}\$ dog \$1.60, dis 10 \$\frac{1}{2}\$ Myrought Chest dis 65\tilde{1}\$ to \$\frac{1}{2}\$ Surface Chest dis 55\tilde{1}\$ to \$\frac{1}{2}\$ for \$\frac{1}{2}\$ Flush Chest dis 55\tilde{1}\$ to \$\frac{1}{2}\$ to \$\frac{1}{2}\$ for \$\frac{1}{2}\$ to \$\frac{1}{2}\$ for \$\frac{1}{2}\$ for \$\frac{1}{2}\$ to \$\frac{1}{2}\$ for \$\frac{1}{2}\$ of \$\frac{1}{2}\$ so \$\tilde{1}\$ to \$\frac{1}{2}\$ for \$\frac{1}{2}\$ of	
	Flush Chest. dis 558:10 \$ Lifting. dis 508:10 \$ Saw and Plane. dis 408:10 \$ Lippincott Cross-Cut Saw and Chest of Lippincott Cross-Cut Saw and Chest of Lippincott Cross-Cut Saw and Chest of Chisel, all kinds. dis 208:10 \$ Brad Awl. \$\text{\tex	
	Auger, assorted, \$\pi\$ gross \$4.5c Auger, large, \$\pi\$ gross 5.0c Patent Auger, Ives' \$\pi\$ set \$\pi_1.a_5 ne' Patent Auger, Douglass' \$\pi\$ set \$\pi_1.a_5 ne' Patent Auger, Swan's \$\pi\$ set 1.00 net	
	" Finished in red, per doz\$42.00	
	Barn Door, old patterns dis 60&10 5 Barn Door, New England dis 60&10 5 Climax (Anti-Friction) dis 50 5 Warner's dis 20 5	
	Underhill's	
	Richard's dis 20 %	
	"Lightning" 1 doz \$20.00 net 5 %	
	Wadsworth	
	doors, double action, dis 55 %. Crown Screen Door Latch gross \$12, dis 55 %. Crown Christmas. Tree Holders, 2, inch. 26	
	doz \$5; 3-inch, \$12 dis 45 \$ Bickford Portable Pump	
	Heavy Welded Hook 8@12 in. \$7.50 % 100 fb. dis 14 in. & up. \$6 % 100 fb. zo \$	
	Screw Hook and Eye.	
	Riveted Shank	
	MORSE NAILS.	
	Champlain Forged in th31c 28c 26c 25c 24c 23c.dis 308 10 ft A. C., in th28 25 23 22 21 21.dis 10,1085 ft C. B28c 25c 23c 22c 21c 21c.dis 1085 ft K28c 25c 23c 22c 21c 21c.dis 20 ft Bridgewater26c 23c 21c 20c 19c 18cdis 30 ft	
	New Haven31c 28c 26c 25c 24c 23c.dis 30&10 X Capewell31c 26c 26c 25c 24c 23c.dis 20&10 X HORSE SHORS.	
	Burden.	
	Bryden Forg u fieet & Toe Hone Shoes, \$4.75 \(\text{w} \) & \(\text{S} \) & \(\text{S} \) & \(\text{S} \) Bryden Steel Mule Shoes, \$6.75 \(\text{w} \) keg \(\text{Mule} \) & \(\text{S} \) inmond State Horse Shoes. \(\text{\$4.70} \) \(\text{\$4 \text{ keg}} \) O \(\text{\$8 \text{ keg}} \) OX SHORS—Mt. Carmel Ox Shoes \(\$1.00 \text{\$1.00	
	ICE CREAM FREEZERS. S quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7. S quart, \$5; 10 quart, \$10. The Grooch Paten "Giant"—14 quart, \$20; 18 quart, \$25; 21 quart \$30; 25 quart, \$35; 32 quart, \$40; 42 quart, \$45.	
	Discount 50 %. American—9 quart, \$2.75; 3 quart, \$3.75; 4 quart, \$3.75; 6 quart, \$5 cach	
	\$10.50; 10 quart, \$13; 14 quart, \$10.50; 18 quart, \$21; 24 quart, \$25. With fly wheel, 8 quart, \$13; 10 quart, \$16; 14 quart, \$20; 18 quart, \$25; 24 quart, \$20; 27 quart, \$25;	
l	Star, double action, 2 quart, \$3.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7; 8 quart,	
	gen, double action, 2 quart, \$5.75; 3 quart, \$4.50; 4 quart, \$5.50; 6 quart, \$7.50; 8 quart, \$7.50; 10 quart	
	Carriage, (Jap'd 80 c % gross)	
	Door Mineral Door Por. Jap'd. Same discounts as Door Locks. Door Por. Plated. Door Por Furniture Plain	
	Furniture, Wood Screws	

408	BALTIMORE
LAWN MOWERS. Acme Buckeye, Easy and Excelsior, new list, dis 40	Enterprise Mfg. Co
Linen Fishdis 25&10	Boynton's Lightning Cross Cuts, ne
Wire Clothes, Galvanized, 100 feet	Boynton's Circular and Mill. Boynton's Ice. Boynton's Lightning Hand, Panel ai Disston's Circular. Disston's Mill. Disston's Cross Cut. Disston's Hand, Panel, Rip, &c Hubbard, Bakewell & Co. Circular S Hubbard, Bakewell & Co. Cross Cut Hubbard, Bakewell & Co., One-Man
Norwalk. List prices as reviset Norwich. De. 10th, 665% 85% P. & F. Corbin. Bec. 10th, 665% 85% Mallory, Wheeler & Co	Hubbard, Bakewell & Co., M:ll Saw. Peace Circular and Mill. Peace Hand, Panel and Rip. Peace Band Saws, all widths. Webster Cross Cut, with handles, Griffin's Hack Saws and Blades SAW FRAMES. White Saw FRAMES.
Norwich Lock Manf. Co	SAW SETS. Stillman's Genuine, \$\(\pi\) doz \$\(\pi\). Stillman's Imitation \$ \pi\) doz \$\(\pi\). Common Lever \$ \pi\) doz \$\(\pi\). Leach's \$ \pi\). No. 0, \$\(\pi\). Soz; N. Hammer, Hotchkiss. Aiken's Genuine \$\pi\]. Aiken's Genuine \$ \pi\). Bistorio Disstorio Disstorio \$ \pi\).
Lignumvitie	Aiken's Imitation
MRAT CUTTERS. Dixon's (P. S. & W.) Nos. 1 2 3 4 pd doz \$14 \$17 \$19 \$30-dis 35 \$1 \$2 \$1 \$4 \$17 \$19 \$30-dis 35 \$1 \$2 \$1 \$4 \$17 \$19 \$30-dis 35 \$1 \$2 \$1 \$1 \$13 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10	Fairbanks Forsyth Scale Go. Howe's Chatilon's Grocers'. Chatilon's Fareks
MOLASSES GATES. dis 70&10 %	Family Turnbull's. Scale Beams, List of Jan. 12, 1882 SCRAPERS. Adjust. Box Scraper (S. R. & L.Co.) Box, 1 Handle
Lincoln's Pattern dis coccio & Weed's dis 15 € Boss Nos. 1 2 3 4 10 and doz Boss, Japanned Finish dis 60& 10& 10 € NUTS AND WASHERS.	Douglas Mfg. Co
Square Nuts	Cowles Mfg. Co. Stanley Rule & Level Co's, Var. Hdls Stanley Rule & Level Co.'s Black Hd Ratchet Clark's Patent Shepardson.
Malleable (Hammer's)	
PLAITING MACHINES. Astor Plaiting Machines	Flat Head Iron, A. S. Co's list, Jan. 1. Round Head Iron. Flat Head Brass. Round Head Brass. Flat Head Blued, add 2½ \$ to net of it Brass and Silver Capped. Japanned, list of Plain Screws. Coach, Patent Gimlet Point. Coach, Common or Lag.
Bench, First Quality	Coach, Common or Lag. Hed. Machine, Flat Head, Iron. Machine, Round Head, Iron. Bench, Iron. Bench, Wood, Beach. Bench, Wood, Hickory. Hand, Wood. Hand Rail, Sargent's. Hand Rail, Humason, Beckley & Co. Hand Rail, Humason, Beckley & Co. Hand Rail, Humson, Beckley & Co. Hand Rail, Humson, Beckley & Co.
Anuary 1079	Hand Rail, Sargent's. Hand Rail, Humason, Beckley & Co.' Hand Rail, Am. Screw Co., list Jan. 1 Jack (Wilson's). SCREEN FRAMES AND FIXTU Standard Window Screens No. 1, 7 Door No. 5, \$ Window Corner Irons, No. Door No. 7
Gas Phersdis 50 %	Window Corner Irons, No. Door "No Door Latches, & dozen, \$3.6 Porter's Patent Window and Door S
Disston's	PER In Whi No. 20 \$2.7; No. 21 2.2; No. 22 5.56 No. 23 6.60
Sliding Door, Wrought Brass	No. o. Corners— No. o. Corners and Sticks complete three-foot window, \$\mathbb{R}\$ doz sets. No. 1. Set for Window, \$\mathbb{R}\$ doz sets I
B. D. for N. E. Hangers— Small. Med. Large. Per 100 feet	No. 1%. " M doz sets, I
Iron and Tinned, new list, Dec. 10, 1881dis 40 ≤ In bulk, new list, Dec. 10, 1881dis 40 ≤ Copper Rivets and Burrsdis 50 ≤ 50 € 10 € 11 12 13 14 15 ₩ fb. 49c. 50c. 50c. 54c. 56c. 58c. 60c. 65c. 70c. RIVET SETS	No. 4. " \$3.35; NI " \$4.00 zets, \$4.00; NI " or door, \$7.00 to or
RIVET SETS	\$12.00; Nic
Chapin's	American (Cast) Ironsee Pruning Hoo Barnard's Lamp Trimmers Tinners' Massachusetts Seymour's. Jersey Shears. J. Wiss & Son, Nickle, 50&5 %; Japa
Sett-Freating, narcost \$4 007 9,00 net Mrs. Pot's Irons. dis 35 \$5 Enterprise Star Irons, new list, July 20, '82dis 35 \$6 Comb'd Fluter and Sad Iron. \$4 007 \$15.00, dis 15 \$5 Common Sad Irons. 23/4c \$6 fb	Sliding Door, M. W. & Co., List. Sliding Door, R. & E. List. Sliding Door, Patent Roller Sliding Door, Patent Roller Sliding Door, Pt. Roller, Hatfield's Sliding Door, Russell's Anti-Friction
Baeder & Adamson's Flint, oo@1½\$4,50 % r'm. Baeder & Adamson's Flint, 2,2½ & 3,5,00 % r'm. Baeder & Adamson's Flint, Assort'd 4,75 % r'm. Baeder & Adamson's Star3,75 % r'm. Baeder & Adamson's Emery % r'm \$6,50@11.50 J. Bartle's Sand, Flint and Emery Paperdis 30% 5 % SASH CORD.	Also see Hangers. SHOVELS AND SPADES. Ames, New List, July 1, 188r
Common. \$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Lippincott, new list Hussy, Bins & Co. SPOKE TRIMMERS. Bonney's
Hallan Hemp, 34 cts	Wm. Rogers Manf. Co. Holmes, Booth & Hayden

BALTIMORE MANU	FACTURERS' RI
Enterprise Mfg. Co	SILVER PLATED HO
Boynton's Lightning Cross Cuts, new list dis 40: Boynton's Circular and Mill dis 43: Boynton's Ice dis 25: Boynton's Lightning Hand, Panel and Rip dis 25: Disston's Circular dis 40: Disston's Mill dis 40: Disston's Cross Cut dis 40: Disston's Hand, Panel, Rip, &c dis 40: Disston's Hand, Panel, Rip, &c dis 40: Hubbard, Bakewell & Co. Circular Saws dis 40&5: Hubbard, Bakewell & Co. Cross Cut goc. ft	Meriden Brittania Co. SFOONS Britannia Tinned, Iron, Table and Tea. Tinned Iron Basting. German Silver. STONE. Hindostan No. 1, 3c.; Aze, 8c.
Hubbard, Bakewell & Co., One-stan's, A Cut dis 40% 5 Hubbard, Bakewell & Co., Mill Saws. dis 40% 5 Peace Circular and Mill. dis 40 9 Peace Hand, Panel and Rip. dis 25 Peace Band Saws, all widths. dis 10 9 Webster Cross Cut, with handles, dis 25% Webster Cross Cut, with handles, dis 25% 10% 100 Griffin's Hack Saws and Blades. dis 25% 25% 25% 25% 25% 25% 25% 25% 25% 25%	Washita Stone. Washita Stone, Slips. Arkansas. SQUARES Steel
White	Disston's Try Square and T Be
Stillman's Genuine, \$\frac{1}{2}\$ doz \$\frac{2}{3}\$,50 and \$\frac{2}{3}\$,50 dis 10 \$\frac{1}{3}\$ Stillman's Imitation \$\frac{1}{2}\$ doz \$\frac{2}{3}\$,50, so \$\frac{2}{3}\$.00, dis 30 \$\frac{1}{3}\$ Common Lever \$\frac{1}{3}\$ doz \$\frac{2}{3}\$.00, dis 30 \$\frac{2}{3}\$ Co. dis 10 \$\frac{2}{3}\$.00, dis 50 \$\frac{2}{3}\$.00, dis 50 \$\frac{2}{3}\$ dis 10 \$\frac{2}{3}\$.00, dis 50 \$\frac{2}{3}\$.00, dis 50 \$\frac{2}{3}\$ dis 10 \$\frac{2}{3}\$.00, dis 50 \$\frac{2}	New List, Sept. Tinned Swedes Tacks. Tinned American Tacks. Swedes Tacks, all kinds American Cut Tacks. Copper Tacks and Nails. Hungarian Nails. Gimp and Lace Tacks.
Hatch, Ten, No. 161	Trunk and Clout Nails Common and Patent Brads Basket Nails Brush Tacks Leathered Carpet Tacks Cigar Box Nails
Family Universal .dis 50 % Family Favorite .dis 30 % Family Turnbull's .dis 30 % Scale Beams, List of Jan. 12, 1882 .dis 50 %	Common and Ringlves' Tap Borers
Chatillon's Grocers' dis 40 g Chatillon's Eureka. dis 35 g Family Universal. dis 30 g Family Favorite. dis 30 g Family Favorite. dis 30 g Family Favorite. dis 30 g Scale Beams, List of Jan. 12, 1882 dis 30 g Scale Beams, List of Jan. 12, 1882 dis 50 g Scale Beams, List of Jan. 12, 1882 dis 50 g Scale Beams, List of Jan. 12, 1882 dis 50 g Fox, 1 Handle.	Enterprise Mfg. Co TOBACCO CUTT Enterprise Mfg. Co (Champion Wood Bottom
Douglas Mfg ('o dis 208 to 4	THERMOMETE Tin Case
Disston's dis 40 % Cowles Mfg. Co dis 50%: 3%: 3% Cowles Mfg. Co dis 50%: 3%: 3% Stanley Rule & Level Co's. Var. Hdls dis 50% 10 % Stanley Rule & Level Co.'s Black Hdls dis 40% 10 % Ratchet dis 33½ % Clark's Patent dis 25 %	Storm Glasses
Scrience	Game, Newhouse Game, Oneida Pattern Game, Blake's Patent Mouse, Wood, Choker Mouse, Kound Wire Mouse Cage, Wire Mouse Catch-em-alive Cyclon Mouse Ideal Mouse Rat, "Decoy" Delusion Mouse, per doz. Lothrops' Brick and Plastering Lothrops' Brick and Plastering
Coach, Common or Lag	Reed's Itrick and Plastering Disston's Brick and Plastering. Clement & Maynard's Worrall's Brick Brades & Walby's Garden TRUCKS (WAREHOU
Standard Window Screens No. 1, \$\begin{align*} \text{doz} & \text{s}_1 & \text{s}_2 & \text{s}_3 & \text{s}_4 & \text{s}_5	Handy Truck Penfield Block Co.' list, 1882 Peerless, with Cogs, No. 3 Peerless, with Cogs, No. 4 Eureka, No 2
Door Latches, # dozen, \$3.60dis 50 % Porter's Patent Window and Door Screen Frames: PER DOZ. SETS. In Im. Bl'k	VISES.
Im. BT k White. Walnut.	Solid Box—Wilson's "Trenton. "Iron City Tool Work Bench—Wilson's "Trenton. "Parker's. "Prentiss. "Bonney's Well Wheels.
No. 136. " R doz sets, Bronzed, \$3.25; Nickel, \$7.50 No. 4. " R doz sets, Bronzed	Brass and Copper, list of Jan. 17 Bright and Annealed Nos Bright and Annealed Nos Coppered Galvanized, Nos. 0 to 18
No. 1/2. " or door, \$\frac{1}{2}\text{ doz sets,} \\ \text{Bronzed, \$\frac{1}{2}\text{.co}\$}\text{, No. 4\frac{1}{2}\text{.co}}\text{.co} \text{ or Door, \$\frac{1}{2}\text{ doz sets,} \\ \text{or Door, \$\frac{1}{2} d	Galvanized, Nos. o to 18 Tinned, Nos. o to 18 Tinned Broom Wire, Nos. 18 to 1
Bronzed, \$3.00; Nickel, \$4.00 No. 2½. "Door, \$6 doz sets, Bronzed, \$6.75; Nickel, \$15.00 No. 3. "B doz sets, Bronzed,	Tinned, Nos. o to 18 Tinned Broom Wire, Nos. 18 to Annealed Fence, Nos. 8&9 Annealed Grape, Nos. to 14 Fence Staples, Calvanized Japanned Barb Fence. Galvanized Barbed Fence.
runingsee Pruning Hooks and Shears larnard's Lamp Trimmers	Buck Thorn Calvanized Picture Clothes time Wire, Galvanized. Wire Cloth, green, drab and blac WRENCHES.
resey Shears	American Adjustable Baxter's Adjustable "S," list Jan IRaxter's Diagonal Coes' Genuine Coes' Mechanics''. Coes' Pattern, Malleable Coes' Pattern, Wrought Girard Agl Always Ready
SHOVELS AND SPADES.	WRINGERS. Universal, XX, No. 2½. Universal, XX, No. 2. Universal, XX, No. 1½. Universal, XX, No. 1. Universal, XX, No. 1. Universal, XX, No. 12. Universal, XX, No. 18. Universal, XX, No. 18. Universal, XX, No. 18. Universal, XX, No. 19. Peerless, no Cogs, No. 1. Peerless, with Cogs, No. 2½.
SPOKE TRIMMERS. • doz \$10, dis 40%5 \$ tearna'	Universal, XX, No. 18. Universal, XX, No. 18. Universal, XX, No. 22. Peerless, no Cogs, No. 1. Peerless, with Cogs, No. 2/2. Peerless, with Cogs, No. 2.

	SILVER PLATED HOLLOW WARE.	
	Wm. Rogers Manf. Codis 40, 15&5 Meriden Brittania Codis 33½	×
	SPOONS.	
	Britannia	XXXX
	STONE.	
	Hindostan No. 1, yc.; Axe, 8c	2 2 2 2 2
	SQUARES.	
-	Steeldis 50 %; full cases, dis 50&10 % Vall Cases	W W
l	TACKS, BRADS, AC.	
	New List, Sept. 1, 1882. Tinned Swedes Tacks. dis 50 % Tinned American Tacks. dis 50 % Swedes Tacks, all kinds. dis 50 % Swedes Tacks, all kinds. dis 50 % Swedes Tacks, all kinds. dis 50 % Copper Tacks and Nails. dis 50 % Topper Tacks and Nails. dis 50 % Gimp and Lace Tacks. dis 30 % Gimp and Lace Tacks, Tinned. dis 50 % Finishing Nails. dis 30 % Finishing Nails. dis 30 % Finishing Nails. dis 30 % Swedes Nails. dis 30 % Basket Nails. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Common and Patent Brads. dis 30 % Basket Nails. dis 30 % Common and Patent Brads. dis 30 % Common and Patent Br	
	Common and Ringdis 20 ≸	
	lves' Tap Borers	
	TOBACCO CUTTERS.	ı
	Enterprise Mfg. Co (Champion)	
	THERMOMETERS. Tin Casedis 75&10 %	1
	Storm Glasses\$3.25 \$\mathbb{R}\ doz.	1
	TOR CALKS. Winsted	
	Game, Newhouse dis 35 % Game, Oneida Pattern dis 60&10 % Game, Blake's Patent dis 60&10 % Mouse, Wood, Choker ¼ doz holes, 16 c Mouse, Round Wire. ¼ doz ½,150, dis 10 % Mouse Lage, Wire. ¼ doz ½,250, dis 10 % Mouse, Catch-em-alive. ¼ doz ½,250, dis 10 % Mouse. ¼ doz ½,50 deal Mouse. ¼ doz ⅓,50 Rat, 'Decoy' ¼ doz ⅙,100,00, dis 10 % Delusion Mouse, per doz. ⅓,50	
	TROWKLS.	ı
	Lothrops' Brick and Plastering dis 25 g Reed's Brick and Plastering dis 15 g Disston's Brick and Plastering dis 20 g Clement & Maynard's dis 20 g Worrall's Brick dis 20 g Brades & Walby's dis 20 g Garden dis 55 g	
	TRUCKS (WARBHOUSE, &C.)	ı
1	Handy Truck \$2.50 net Penfield Block Co. list, 1882 dis 35 % Peerless, with Cogs, No. 3 54.00 Peerless, with Cogs, No. 4 66.00 Eureka, No. 2 № doz 42.00	
30	VISES	
1	" Iron City Tool Works dis 50 % Bench—Wilson's dis 45 % " Trenton dis 25 % " Parker's dis 25 % " Prentiss dis 26 % " Bonney's dis 35 % Well Wheels dis 60&10.60 %	
	" Prentissdis 20 %	
1	Bonney's	
	WIER.	
CTTAARIO	Brass and Copper, list of Jan. 17, 1884	
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	WRENCHES.	1

RECORD.	
BD HOLLOW WARE.	T
dis 40, 15&5 5	
POGNS.	
dis 60&10 % dis 60&10 % dis 65 % dis 65 %	
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TONE.	
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No. 1, \$\mathbb{B}\$, 16c. net	
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, Sept. 1, 1882.	J. 1
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p doz 39.50, dis 4005 %	Se
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dis 75&10 %	D
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P to 9c. dis 5 %	
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dis 20 %	
dis 55 %	
REHOUSE, &C.)	
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	G.
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IKR.	
Jan. 17, 1884 dis 15 % Nos. 06818, dis 50810 % Nos. 196826, dis 60810 % Nos. 276826, dis 70 % Nos. 06818, dis 50 % Market list dis 40 % 18 10 35	
Nos. 19@26, dis 60&10 \$Nos. 27@36, dis 70 \$	1
Nos. o@ 18, dis 50 %	W
. 18 to 25dis 60 %	Pate
and all the same of the same o	tongs



MACHINISTS

and others should examine the merits of our new improved 14x40 inch Screw Cutting Lathe, Price \$475.

Descriptive price-list of lathes and tools mailed on application.

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1 50 Horse-Power Engine and Boiler, with Fittings.

3 Spoke Lathes (made by Gleason, Philadelphia.) About 40 Pulleys.

Per doz.

..... 36.00 42.00 51.00 66.00 .each 10.75 .each 20.25 .each 22.75 .each 30.25 42.00 45.00

.. dis 50, 5%5 \$
.. dis 40&10&5 \$
.. dis 40&10&5 \$
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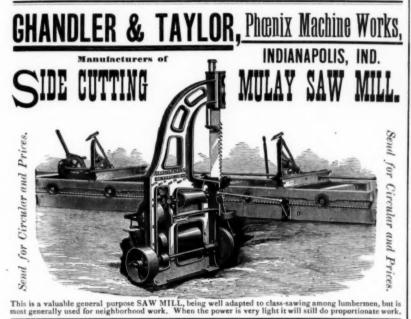
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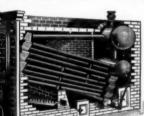
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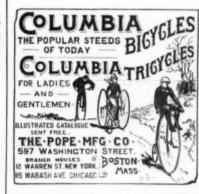
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WEEKLY PAPER

Devoted to the Industrial Interests of the Southern States, having for its aim the Upbuilding of Southern Manufactures, and the Development of the Material Resources of the South.

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HAS closely and faithfully chronicled Southern industrial progress, and devotes itself with commendable zeal to the development of all the material resources of our section. It deserves the liberal encouragement of our people. —Roanoke (Va.) Leader.

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ada, Miss.

THE MANUFACTURERS' RECORD is doing all in its power to advance the development of the material resources of the South. It deserves the assistance of every Southern journal and liberal patronage from our tradesmen. Its articles, always progressive, are well calculated to draw attention to our vast fields of undeveloped wealth, and its columns are perhaps more frequently quoted from than those of any paper of the kind published anywhere. The paper supplies a long-felt need in bringing facts with regard to the South before the people of the North and West.—Wytheville (Va.) Enterprise.

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The South is rapidly growing in wealth and material prosperity, and its manufacturing interests are being largely developed. There are various reasons why this is so. Its great mineral resources, salubrious climate, are prime motors in this direction, but to no outside influence is so much due as is to the MANUFACTURERS' RECORD.—Havre-de-Grace (Md.) Republican.

RECORD.—Havre-de-Grace (Md.) Republican.

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PAINTS, OILS, &c.

PAINTS.
Black Lamp, coach painters 10 soc
Black Lamp, coach painters
Black Ivory Drop, fair
Black Ivory Drop, best
Blue Prussian, fair to best35@40c Blue Prussian, fair to best, in oil35@40c
Blue Chinese, dry700
Blue Ultramarine 15@25C
Brown, Spanishzc
Brown, Van Dycke5@15c
Green, chrome8@15C
Green, chrome, in oil
Green, Parisgood, 200; best, 250
Green, Paris, in oilgood, 200; best, 250
Iron Paint, bright red h h 21/4c
Iron Paint, brown 1½c
Iron Paint, purple \$ \$\mathbb{D}\$ 3c
Iron Paint, ground in oil, bright red \$ 10 51/4c
Iron Paint, ground in oil, red 3 5 5c
Iron Paint, ground in oil, brown \$ \$ 41/2c
Iron Paint, ground in oil, purple \$ 10 6c
Linseed Oil, raw53c
Single Boiled55C
Double " 61C
Mineral Paints
Orange Mineral10C
Red Lead, American
Red Venetian, (English) dry \$1.50 to \$1.75
Red Indian, dry
Rose Pink10@130
Sienna, American, raw4c
Sienna, Burnt
Cianno man
Umber, burnt4@8c
Umber, burnt, in oil8@15C
Umber, raw, in oil
Umber, burnt 4@36c
Vermilion, English
White Lead. American, pure dry
White Lead, American, pure in oil6@61/2c
White, Paris, English, primein brls. 11/2@2c
Vermilion, American, common. White Lead, American, pure dry
Yellow Ochre, Americanin bbls., 11/61/20
Yellow Chrome8@18c
Zinc White, American, No. 1, dry9@12@18c
Yellow Chrome
Zinc White, French (Parish) dry
Zinc White, French in oil10@14c
OTT

Bleached W. Sperm oil	10
Nat. " " "	05
B. W. Elephant oil 7500-	-5
" Whale oil 70@	72
Prime Lard oil 6200	65
Extra No. 1 Lard oil 60@-	
	25
Miners' oil	55
W. Pressed Fish oil 3800	-
Neatsfoot oil 65@	80
	55
Best Filtered " 65@-	
	65
	20
SUNDRIES.	
Benzine \$ gal., 8@1	юс
Curpentine \$ gal., 335	60
Chalk	éc

Chalk. \$\mathbb{g}\$ gal., 33½ c Chalk, block \$6 Chyer patent Am'n. \$5c Frostings. 40c Glue, white. 18@36c Glue, sheet. 4@20c Glue, ordinary. 9@12 Glaziers' Points, zinc. \$6 Gum Cord. \$6

BRASS.

AND SHEET BRASS Brown & Sharps's Gauge the Standard.

New List, Jan. 17, 1884. Dis 25 \$ COMMON HIGH BRASS.
Wider than \$2 10 12
and including. \$2 10 12 14

To No. 20, inclusive21	.22	.23	.25	.27	.29
Nos. 21, 22, 23 and 2422				.28	.30
Nos. 25 and 26221/2	.2336	.2436	.27	.00	.31
Nos. 27 and 2823	.24	.25	.28	.20	.32
Add o cts. 7 h. for sheet	CHE I	to pari	icula	e wi	debe
and lengths.		o par			CA E I I I
Add 16 c. 7 fb. additional	on es	ch nu	mbee	· ·hi	nner
than Nos. 28 to 38 inclusi	WA.	icii iiu	an oe	Citta	unes
Brass thinner than No. 3	8 is P	laters'	Bra	ISS.	
Direction of the second				55	CES.
Printers' rules				45	CES.
Printers' Sheets and Plate sizes and lengths to No. 2	es cut	to pa	rticu	lar	Cts.
Brazing, Spinning and Spr than common High Brass	ing Bi	rass, o	ne ce	ent m	ore
Low Brass four cts. Th. ib.					
Gilding, Oreide and Bronze common High Brass.	seven	cts. P	lb. n	ore t	han

SLITTING METAL

Over ½ in to 2 in., inclusive, Nos. 12 to 20, inclusive.

Over ½ in. to ½ in., inclusive, Nos. 12 to 20, inclusive.

¾ in. and narrower, not less than...

Over ½ in to 2 in., inclusive, Nos. 21 to 28, inclusive.

Over ¾ in to ½ in., inclusive, Nos. 21 to 28, inclusive.

¼ in. and narrower, Nos. 21 to 28, inclusive, not less than...

Over ¾ in to 2 in., inclusive, Nos. 29 to 32, inclusive.

Over ¼ in to ½ in., inclusive, Nos. 29 to 32, inclusive.

¼ in. and narrower, Nos. 29 to 32, inclusive, not less than.

Over ½ in to 2 in., inclusive, No. 33 and thinner.

Over ½ in. to ½ in., inclusive, No. 33 and Over ½ in. to ½ in., inclusive, No. 33 and Over ½ in. to ½ in., inclusive, No. 33 and Over ¾ in. to ½ in., inclusive, No. 33 and in. to ¼ in., inclusive, No. 33 and

1						
16 in. and narrower, No. 33 and thinner, not						
less than 18						
	Slit Metal cut to particular lengths, & B. additional					
PLATERS	OR GOLD	METAL.				
In bars						
In ingots						
In ingots, planed or po			40C.			
	RE IN COIL					
Old English		Standa				
	Common	T	Gilding, Bronze and			
	High Brass,	Low Brass,	Copper.			
All Nos. to No. 16,	Drass.	DIASS.	Copper.			
inclusive	8 .92	\$.26	\$.30			
Nos. 17 and 18	23	37	31			
" 19 and 20	24	28	32			
er 21	25	39	33			
** 29	26	30	34			
" 93	аВ	32	36			
** 24	30	34	38			
" 25	32	36	40			
" 26	35	39	43			
37	38	42	46			
20	42	46	51			
29	45	49	54			
30	48	52	67			
34	51	55				
# 33	55 59	59	73			
** 34	64	68	95			
65 35	70	74	1.30			
** 36	76	80	1.50			
" 37	1.00	1.04	1.70			
** 3B		1.34	2.00			
" 39		2.00	3.25			
" 40	2.60	2.60	5.75			
Spring Wire, 2 cts. Th	b. advance	e.				
Whitened Wire, 3 cts.	B D. adva	ince.				
Flat, Square and Half	-round W	ire 4 cts.	advance on			
Round Wire. Fancy Wire not less to	han to ctr	advanc	ce on Round			
Wire.	nan 10 cm	, auvan	e on Round			
Spooling on one-poun	d spools	re cts.	Th. extra.			
Spooling on ten-pound	d spools o	r more.	2 cts. % fb.			
extra.						
BRA	SS TUBIN	G.				
Brown & Sharpe's Gauge the Standard for all Tubing. Per lb.						
Plain, to No. 20, inclus	ive.					
Above 5-16 inch to 3 in	ches, inch	sive	\$ 35			
Plain to No. ex. above	2 inches.		45			
Plain, to No. 21, above 3 inches						
" ¼ inch						
3-16 inch						
44 1/2 inch						
Bronze Tubing a centr						

Nos. 24, 25, 20, but class advance on list to each number.

Above No. 26, special rates.

All Mandrel-drawn Tubes, 3/6 inch and above, five cents advance on list prices.

All Mandrel-drawn Tubes under 3/6 inch, twenty-five cents per pound advance on list prices.

Fancy Tubing to No. 20. \$0.43

English, Scoten and Extra Pattern Fancy
Tubing to No. 20. 48

Tubing sawed or cut, 2 to 4 feet long, one cent advance on list.

Add to one cent one-half cent for each additional cutting under two feet. **→**METALS.**>**

Bronze Tubing 3 cents per pound more than Brass. Nos. 21, 22, 23, two cents advance on list for each number.

Nos. 24, 25, 26, four cents advance on list for each

TIN PLATES.

BLOCK TIN "Lamb and Flag," and "Straits."

Large Pigs	19
Small Pigs	20
Bars	25
TINNERS' SOLDER.	
No. 1 Refined	13
Market Half-and-Half	15
Strictly Half-and-Half	16
ROOFING PLATS.	
IC, 14x20, Choice Charcoal Terne	5 50
IV # # # #	
IC, 20x28, " " "	II 00
IX, 20x28, " " "	
IC. 20x28, Extra fine quality, charcoal roof-	14 50
ing, genuine "old style" redipped.	
IX, 20x28, " " "	18 00
COKE PLATES.	
IC, 10x14, bright, "B. V." grade	5 00
IC, 14×20, 47	
IX, 14x90, "	7 00
IC, 10x20, Gutters	9 00
10, 10420, 0311013111111111111111111111111111111	9 00
SHEET ZINC.	
In casks of 600 fbs., \$ fb	×86
In smaller quantities, % fb	

In smalle	r quantities	, TA 1	b		 			6
		TIN	PLAT	ES.				
IC,	10X14, Ch		al		 			60
IX,	IOXI4,	84			 			8 0
IC.	12X12.	66			 			6 2
IX.	12X12,	66						8 2
IC.	14X20,	44						6 0
îx,	14820,	44						8 0
ixx.	14X20,	ac						
ixxx.		44					****	10 0
IVVVV	14×20,	44					****	13 0
IXXXX,		44						14 0
IX,	20x28,				 			18 50
DC,	100, Plate	68			 			6 00
DX,	100, 44	46			 			8 00
DXX.	100, "	44						10 0
DXXX,	100, 64	64						12 0
	BA	BBIT	T ME	TAL				-
A 1	**********		****		 			15
No. 1 Ord	inary				 			
Antimony					 			18
Excelsion	Babbitt M	etal.	No. s		 			10
46	68	86						
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Pig	*******	*********						
Bar. (15	oz. bars)						
Sheet								
Pine fu	Il coils					•••		
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		COP	FRR.					
Tinned	Sheathir	ng, 14×48, 1	6					
A IMMEG	SHEATHI	Di	4, 10,	10 0	×5.		000	
44	**	Planish'	d, 24%	48,	14,	10	OZ.	1000
	**	**	Boi	lers	7.	3, 0		
Cooper	Pit Bott	oms	90000					
Finning	Extra							
Brazier	conne	r, 15 to 100	D					
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		8 b						
44	44	6 lb						
Bolt	44	*******						
Tinning	evira	*********						
T unming								

The Piedmont Cotton Factory.

The following extracts from the report of Mr. H. P. Hammett, the president of the Piedmont factory at Greenville, S. C., dated May 6, will be found both interesting and uraging:

"It is not information to any one who is at all familiar with the condition of trade for the last two or three years to say that we are passing through a season of depression in all business operations and industries unprecedented in its severity and duration. has not been confined to this continent, or to any special line of trade, or to any particular industry, but has pervaded everything everywhere in every civilized country in the world. It is not proposed here to speculate or advance theories as to the numerous causes which have combined to produce this condition of things. It is enough for our purpose to know that this depression exists, and that its effects are arbitrary and must be dealt with as a fact.

"Some of the effects of this unnatural condition of trade have been the suspension of operations by a large proportion of the manufacturing industries, thereby throwing thousands of persons out of employment; universal reduction of wages every where; the stoppage of the building of railroads and the construction of industrial enterprises of every kind; the low prices and consequent unprofitable results of growing agricultural products. To these must be added the important fact that the war in China and Africa so checked the demand for all American goods for export that sales for these markets were for limited quantities and at low prices. All these contributed to cripple the purchasing power of the world to such an extent that the usual quantity of goods could not be sold for remunerative rices, because they could not be paid for. The result was an accumulation of stock in the hands of the producers, the prices of which were so reduced by the pressure to sell that there was little profit left. Everything was cheap but cotton, which, as a conseence of a series of short crops, maintained a high price throughout, but with little profit to the producers.

"And while this is apparent, and everything has felt its effects and suffered from their consequences, perhaps no great staple commodity in the country has suffered less than heavy brown cotton goods and yarns such as we make. Our location and facilities for producing them possibly give us some advantages over other parts of the country.

"Our profits for the year have been very small, yet we held our own and made a little money; but it was the result of constant effort and the most rigid economy. Reference to our statements below will show that our profits from manufacturing, after paying all expenses, except interest on borrowed commercial capital, was \$42,126.73. We made our dividend, (\$20,000,) which we paid on the 1st of July last; paid our interest, and had a small balance of profit left to carry to the credit of profit and loss:

Balance at credit of profit and loss......\$235,379 49

Total cost of property and cash assets....\$735,379 49 The cost of the property over the capital stock was paid out of the net profits over the dividends, and the company does not owe a dollar for its entire property, and the result is that they have a large property with nparatively small capital stock.

"We carried into effect the announcement made to you at our last annual meeting, and during the year put in a steam engine of 160 horse-power capacity, together with boilers, pumps, connections, foundations, engine house and other permanent improvements, at a cost of \$8,744.87, which charged to property account. This supplement to our power was indispensable to the best results of which the mill is capable.

The power is now ample and can be relied upon at all times, at either high or low water.

"Your mill, machinery and property of very kind is in the most perfect condition; the organization for efficiency and reliability of a high order, and everything pertaining to it in the best possible condition to take advantage of the first dawn of returning prosperity, which is as sure to come at some future time as that sunshine follows the It is my duty to say to you, however, that there is at present but slight indication of returning prosperity. The prices of goods are as low and the demand for them as limited as at any time during the present de-pressed condition of trade."

The Fruit Crop for 1885.

From reports from all sections of the country the prospects for an immense crop of fruit of all kinds is encouraging. From Maryland, Delaware, Georgia, California and the southwest, a large yield of peaches is predicted. In some sections we hear the complaint of the trees having too many buds, but we are accustomed to always hear of some unfavorable symptom against a large peach crop. We can accept the above as a very mild one. Should the present outlook only yield one-half of what is expected, there will be one of the largest crops that we have had for several years.

The disadvantage formerly experienced by the grower from large crops has been greatly removed during the past few years, and is being improved each year. Instead of the entire crop, or as much as possible being hurried off to some of the large cities, to find the market glutted, and forced to sell at a loss or spoil on their hands, the growers are erecting evaporators, in which they prepare such fruit as is too ripe for transpo tation, selecting the firmest fruit for market. This enables them to utilize at a large profit fruit that was formerly wasted.

In visiting the peach growing sections of Maryland, Delaware, Georgia, California and the southwest, we found the Scott's Rotary Knife Peach Parer (which is manufactured in your city) in general use by packers of peaches, and the experience of them all was the same-that of all the socalled peach parers, it was the only parer that would successfully pare peaches, and it enables them to prepare an amount of peaches that o'herwise would have been lost. In California, Maryland, Delaware and other points we found the Phillips Evaporator largely in use.

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In corresponding with any of these advertisers please mention the Baltimore Manufacturers' Record.

THE OWNERS of a cotton mill in the South mill, and take charge of same as manager. The officers and other stockholders have had no experience in running cotton factories, and besides, their time is so fully taken up with other business that they can not give personal attention to management of the finances or to the sale of the product. Machinery all new, and of the latest improved patterns. The mill is located in a flourishing and rapidly-growing city, with 6 railroads, and river navigable all the year. Coal is laid at the firnace door for \$1.70 per ton. It is desired that the manager shall have some interest in the mill, and no proposition will be entertained that the manager shall have some interest in the mill, and no proposition will be entertained. est in the mill, and no proposition will be er unless the party can put in at least \$10,000.

A. C. M., care MANUFACTURERS' RECORD.

WANTED—A PARTNER.—\$5,000 will purchase half interest in a coal mine near Birmingham, A Mine is in full operation and making a clear profi-go coper day. Partner selling out is doing so on count of inability to look after his interests. For ther particulars, address M. E., care MANUFAC REES RECORD, Baltimore, Md.

WANTED.—By a married man, a situation as overseer or superintendent of twine mill in the South; has had many years' experience in the manufacture of hard, soft and and medium twines, warp, yarns, wick, &c. Can furnish best of reference as to ability, character, &c.; or would like to correspond with a party with view of introducing an improved spindle for the manufacture of the same. Address J. E. R., care of MANUFACTURERS' RECORD, Baltimore, Md.

WANTED.—A party with \$3,000 to join me in the development of \$95 acres of land in Virginia, on which there are good indications of lead, cannel coal and silver; also coal oil. Lease for 99 years. Address A. S. Hanger, Lexington, Va.

A SCOTCHMAN of twenty years' experience as designer and manufacturer of the best classes of cotton and woolen fabrics, is open for engagement, or partnership with a party of means to manufacture these goods; thoroughly up in all details. Address W. M., care MANUFACTURERS' RECORD.

WANTED—One set wool cards and jack with bob as and picker. H. G. Hall, Fayetteville, N. C.

HAVING the requisite experience I would like to take charge of a cotton mill. Address A. E., care MANUFACTURERS' RECORD, Baltimore, Md.

WANTED.—A position in the South by a mining and mechanical engineer of large experience in connection with iron and coal works and machinery. Is a reliable surveyor, both above and below ground, and good draughtsman and accustomed to the charge of men. Address H. H. care MANUPACTURERS' RECORD, 71 and 73 Exchange Place, Baltimore, Md.

WANTED.—Position as accountant for some large manufacturing establishment South; good references given; no objection to any locality. Address "Audi-tor," Room No. 1, Courier-Journal Building, Louis-ville, Ky.

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WANTED.—Situation as superintendent of cotton factory; now employed in the South; satisfactory reasons for leaving present place; good references. Address N. C., care MANUFACTURERS' RECORD.

WANTED.—Situation by a young man as mechan-al draughtsman, with patent solicitor, machine iop, mechanical engineer or draughtsman. Gradu-te of scientific college, engineering and machine iop experience. Reference given. Address S. S. hop experience. alter, Boston, Ma

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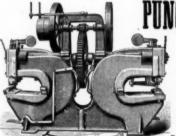
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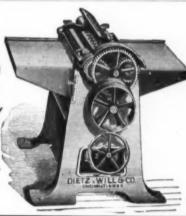
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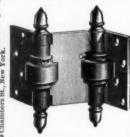
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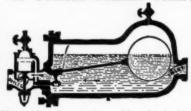
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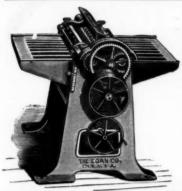
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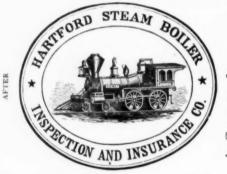
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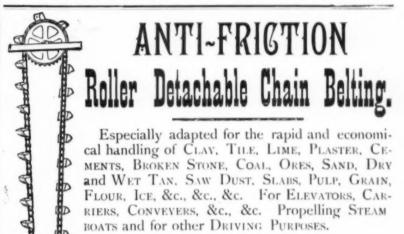
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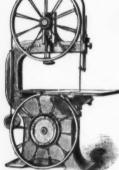
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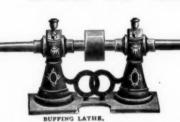
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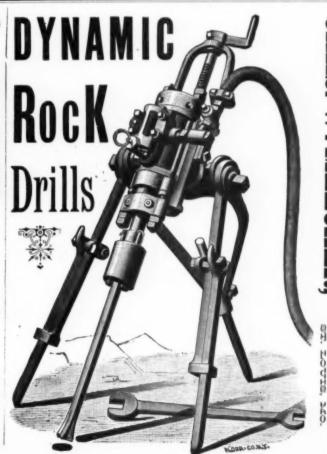
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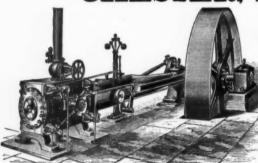
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